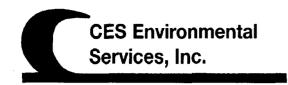
3019 Macey Family Properties





# Waste Pre-Acceptance/Approval Letter

Date 10/6/2008

Dear Louis Macev

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3019

**Expiration Date** 10/6/2010

**Generator:** Macey Family Properties

Address: 1717 St. James Place Ste 118

Houston, TX 77056

#### Waste Information

Name of Waste: Unused silicones Lim6745B & Lim6071B (Part B)

TCEQ Waste Code #: CESQ5011

**Container Type:** 

## **Detailed Description of Process Generating Waste:**

Unused silicones component B from the manufacture of printed t-shirts from t-shirt manufacturing facility

Color: clear to milky

Odor: none pH: na

**Physical State:** 

**Incompatibilities:** Silicone component A, acids, bases, oxidizers

Safety Related Data/Special Handling:

level d ppe

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

Cony, Treatment + Handling - Moun tops must be marked accurately.

**⊠** CES Environmental Services – Houston Facility





☐ CES Environmental Services – Port Arthur Facility

-	•		Phone: (713) 676-1	ive, Port Arthur, TX 77641 460 Fax: (713) 676-1676 KR000079307 ISWR No: 88585			
Company: Address:		Family Proper resplace Stell	ties				
City, State, Zip: Contact:	Houston, T	X 77056	Title:				
Phone No:	713 960 069			3960 8374			
24/hr Phone:			- -				
U.S. EPA I.D. No: State I.D.	NA NA		SIC Code:	`			
State 1.D.							
	<u>Information – 🏿 San</u>	ne as Above					
Company: Address:		· · · · · · · · · · · · · · · · · · ·					
City, State, Zip:			<del></del>				
Contact:		Title:					
Phone No:		Fax No:					
SECTION 3: Gener	al Description of the M	<u> [aterial / Product</u>					
<b>Detailed Description</b>				ed Silicone Component B from the			
		<del></del>	7				
Physical State:	•	Sludge [	☐ Powder				
	☐ Solid [	Filter Cake	Combination				
Color: Clear to Milky	<u>Z</u> Odd	or: <u>None</u>	<u>.</u> .				
Specific Gravity (wa	tor-1), 1 10	Density: 9 lbs/gal					
Specific Gravity (wa	ter=1): <u>1.12</u>	Density. 2 105/gai					
Does this material co	ontain any total phenol	ic compounds?  Yes	⊠ No				
Does this material co	ontain any para substit	uted phenolic compound	ls? 🗌 Yes 🛮 🖾 No				
Layers:	⊠ Single-phase	☐ Multi-phase	**				
Container Type:	Drum [	Tote	Truck	Other (explain)			
Container Size:	<u>55 G</u>			<u>5 Gal</u>			
Frequency:		Monthly	Quarterly	☐ Yearly			
Number of Units (co	ntainers): <u>1-50</u>	Other:					
CES & 5011							
Proper U.S. DOT Sh		Non-RCRA, Non-DC					
Class: Na	UN/NA:	Na ——————	PG: Na	RQ: Na			

Technical Manager:

Approval Number: 3019

>200	pH	N/A	N/A	_	olids	
2200 Oil&Grease	Na TOC	Zinc	Copper	Nickel	-100%	
<u>Na</u> mg/i	Name/I	Namg/i	Namg/i	Namg/I		
	1 323-1-27		1-6-17-17-17-17-17-17-17-17-17-17-17-17-17-			
SECTION 4: Ph	vsical and Chemic	al Data				
	GOMPOS	ENTS TABLE	<del></del>	Congenitation	linta	j
The mat	erial / product con	sists of the following ma	eriais Ra	nges are acceptab		
Unused Lim6745	B Silicone		0-100		%	
Unused Lim607	B	<u> </u>	0-100	)	%	
		<del></del>				
···-				·		
		<u> </u>				
	<del></del>					1
Level D PPE		educt requires the use of	special protective equ	pment, please ex	plain.	
If the handling of Level D PPE SECTION 6: At	this material / protactions	oduct requires the use of				
If the handling of Level D PPE SECTION 6: At List all document	this material / protactions that the state of the state o	oduct requires the use of Documents				
If the handling of Level D PPE SECTION 6: At: List all document MSDS Sheets SECTION 7: Inc	this material / protacted Supporting is, notes, data, and	oduct requires the use of Documents  Or analysis attached to t				
If the handling of Level D PPE  SECTION 6: At: List all document MSDS Sheets  SECTION 7: Inc. Please list all incomplete and the second	this material / protactions that the state of the state o	Oduct requires the use of Documents  Or analysis attached to to				
If the handling of Level D PPE  SECTION 6: At: List all document MSDS Sheets  SECTION 7: Inc. Please list all ince Silicone Component	tached Supporting is, notes, data, and compatibilities ompatibilities (if an Acids, Bases,	Oduct requires the use of Documents  for analysis attached to the oduction of				
If the handling of Level D PPE  SECTION 6: At: List all document MSDS Sheets  SECTION 7: Inc. Please list all inco- Silicone Components  SECTION 8: Ma	tached Supporting is, notes, data, and compatibilities ompatibilities (if a part A Acids, Bases, aterial Producer's	oduct requires the use of Documents /or analysis attached to to the control of th	his form as part of the	material / produc	ct profile.	
If the handling of Level D PPE  SECTION 6: At: List all document MSDS Sheets  SECTION 7: Inc. Please list all incr. Silicone Component SECTION 8: M: The information cattached description issions of com	this material / pro-  cached Supporting is, notes, data, and compatibilities contained compatibilities contained compatibilities contained compatibilities contained conta	Oduct requires the use of Documents  for analysis attached to the oduction of	his form as part of the  owledge and/or [ analy my knowledge and abi or suspected hazards ha	material / productions of the production of the	ct profile.  by certify that the that no delibera	te or will:
If the handling of Level D PPE  SECTION 6: At: List all document MSDS Sheets  SECTION 7: Inc. Please list all incr. Silicone Component SECTION 8: M: The information cattached description issions of com	this material / pro- tached Supporting is, notes, data, and compatibilities ompatibilities ompatibilities (if an ent A Acids, Bases, eterial Producer's ontained herein is on is complete and position properties etative of all materia	Documents  /or analysis attached to to  ny):  Oxidizers  Certification  based on  generator knowled accurate to the best of exist and that all known of	his form as part of the  owledge and/or [ analy my knowledge and abi or suspected hazards ha	material / productions of the production of the	ct profile.  by certify that the that no delibera. I certify that the certification is considered.	te or will:
If the handling of Level D PPE  SECTION 6: At: List all document MSDS Sheets  SECTION 7: Inc. Please list all incr. Silicone Component SECTION 8: M: The information cattached description issions of comtested are represent	tached Supporting is, notes, data, and compatibilities ompatibilities ompatibilities of a actual Producer's contained herein is complete and position properties attaive of all material attare:	Documents  /or analysis attached to to  ny):  Oxidizers  Certification  based on  generator knowled accurate to the best of exist and that all known of	his form as part of the  owledge and/or [ analy my knowledge and abi or suspected hazards ha	material / production of the p	ct profile.  by certify that the that no delibera. I certify that the certification is considered.	te or will:

Rejected

gilicones-Part B



# PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	\$65/dm \$20/ 5 gal Drum
2.	Contamination Limits (maximum limit before surcharges apply):
	Non Conforming to Profile or Fails Flash
3.	Surcharge Pricing:
	None
4.	Special Testing Requirements:
	Flash- In Case they mixed with Xylene (Xylene was used as a stripper and is on site. However, these drums should not be mixed, but check flash just in case.
5.	Treatment and Handling Protocol:
	Keep components A and B separate  Dispose part A and B in Separate Class 1 Solids or Sludge Boxes based on Consistancy of Product. May require Shredding  All drum tops must be marked with the profile Rumber and PARTR.
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



# PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):
	Na
8.	Management for Product Recovered/Recycled (if applicable):
	Na Na
	ING.

FORMAT: USA

MATERIAL SAFETY DATA SHEET COPYRIGHT GENERAL ELECTRIC CO.

PRODUCT: LIM6071B

LIM SILICONE RUBBER

PAGE: 001

# 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY:

GE SILICONES

260 HUDSON RIVER ROAD WATERFORD, NY 12188

SUPPLIED BY: GE SILICONES

260 HUDSON RIVER ROAD WATERFORD, NY 12188

EMERGENCY PHONE (24 HRS)

(518) 237-3330

EMERGENCY PHONE (24 HRS)

(518) 237-3330

REVISED:

06/02/98

PREPARER:

CE HANNIGAN

CHEMICAL FAMILY/USE:

SILICONE RUBBER

FORMULA:

MIXTURE

#### COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION/ CAS REG NO.	APPROX. WGT. %	ACGII TWA	TLV STEL	osha Twa	PEL STEL	UNITS
1. HAZARDOUS BENZENE	<b></b>					
71-43-2	. 1PPM	0.5	2.5	1	5	PPM
TOLUENE						
108-88-3	<1	50 (SKN)	NE	100	150	PPM
2. NON-HAZARDOUS						
'INYLPOLYDIMETHYLSILOX	ANE					
68083-19-2	30-60	NA.	NE	NA.	NE	N/A
VI/ST DIMETHYL-METHYLV	INYLSILO	XANE				
68083-18-1	5-10	NA	NE	NA	NE	NA
TRADE SECRET COMPONENT						
	1-5	NA	NE	NA	NE	NA
POLYMETHYLHYDROGENSILO	XANE					
68037592	1-5	NA	NE	NA.	NE	N/A
D4 & HMDZ TREATED SILI	CA					
68937-51-9	10-30	N/A	NA	NA.	NA	N/A

See Section 15 for description of any WHMIS Trade Secret(s).

<sup>3.</sup> HAZARDS IDENTIFICATION

PAGE: 002

EMERGENCY OVERVIEW:

Clear Solid

Odorless

Excessive inhalation causes headache, dizziness, nausea,

and incoordination.

Refer to other MSDS sections for detailed information.

POTENTIAL HEALTH EFFECTS:

INGESTION:

None known

SKIN CONTACT:

None known.

INHALATION:

None Known.

EYE CONTACT:

May cause mild eye irritation.

MEDICAL CONDITIONS AGGRAVATED:

None known.

SUBCHRONIC (TARGET ORGAN) EFFECTS:

None known

CHRONIC EFFECTS/CARCINOGENICITY:

This product or one of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

PRODUCTS/INGREDIENTS

This space reserved for special use.

PRINCIPLE ROUTES OF EXPOSURE:

Eyes.

OTHER:

This product contains Methylpolysiloxanes which can generate Formaldehyde at approximately 300 degrees Fahrenheit (150°C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. An MSDS for Formaldehyde is available from GE Silicones.

#### 4. FIRST AID MEASURES

INGESTION:

None known.

SKIN

Wash with soap and water.

INHALATION:

None known.

EYES:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

PRODUCT:	LIM6071B	LIM S	SILICONE RU	BBER		•	PAGE:	003
	PHYSICIAN: known.							
	·	5. FIRE FIG	GHTING MEAS	URES				
FLASH PO	DINT:		NA NA	(C)	NA.	(F)		
IGNITION FLAMMABI FLAMMABI SENSITIV SENSITIV	N TEMP LE LIMITS IN AIR - LE LIMITS IN AIR - VITY TO MECHANICAL VITY TO STATIC DISC LEIVITY to static of	UPPER (%): IMPACT (Y/N): CHARGE:	UNK NA NA NO		UNK	(F)		
All s SPECIAL	SHING MEDIA: standard firefight FIREFIGHTING PROC known.	ing media	-					
	o be taken if mat		ASED OR SPI	LLED:	<del>-</del>			
equip Wipe,	proper protective oment section. scrape, or soak siner intended for	up in an inert	t material	and p	ut in a	tive		
	، جون کے بہتر میں نایذ جی شے لیے سے نامہ است سند بنیہ طلب است است است است است است است است است	7. HANDLIN	NG AND STOR	AGE				
Do no Relie there Avoic Keep acidi	cons to be taken in the contract of the contact with eye contact with eye container closed to basic, or oxid tin soaps and nob.	ainer. ressure when poosening bung. s. when not in us izing material	received and Retighten se to preven ls, and met	bung nt co allic	immedia ntact wi	tly. th		
	8. E	XPOSURE CONTRO	OLS/PERSONA	L PRO	TECTION	<u>-</u>		+ · · · · · · · · ·
None	RING CONTROLS: known. PORY PROTECTION:							

PAGE: 004

None known. PROTECTIVE GLOVES: Cloth gloves.

EYE AND FACE PROTECTION:

Safety glasses.

OTHER PROTECTIVE EQUIPMENT:

None known. VENTILATION: None known.

9. PHYSICAL AND CHEMICAL PROPERTIES

(C) NA

(C) NA

(C) NA

(F)

(F)

(F)

PRODUCT INFORMATION: BOILING POINT NA VAPOR PRESSURE (20 C) (MM HG): NEG VAPOR DENSITY (AIR=1) : NEG FREEZING POINT NA MELTING POINT NA PHYSICAL STATE SOLID NONE ODOR COLOR CLEAR ODOR THRESHOLD (PPM) NA % VOLATILE BY VOLUME <1 EVAP. RATE (BUTYL ACETATE=1): <1 SPECIFIC GRAVITY (WATER=1) : 1.12 DENSITY (KG/M3) ~1120 ACID/ALKALINITY (MEQ/G) UNK 7.0 PH VOC EXCL. H2O & EXEMPTS (G/L): NT

SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT): TOLUENE

STABILITY AND REACTIVITY 10.

NEG

STABILITY:

STABLE

HAZARDOUS POLYMERIZATION:

SOLUBILITY IN WATER (20 C) :

WILL NOT OCCUR

HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:

Carbon monoxide. Carbon dioxide. Silicon dioxide.

Flammable hydrogen gas.

Formaldehyde.

INCOMPATIBILITY (MATERIALS TO AVOID):

Avoid contact with acidic, basic, or oxidizing agents, and

PRODUCT: LIM6071B LIM SILICONE RUBBER PAGE: 005 metallic catalysts like tin soaps and noble metals (Pt, Rh,

CONDITIONS TO AVOID:

Product generates flammable gas on contact with acids, bases or

oxidizing materials.

11. TOXICOLOGICAL INFORMATION

PRODUCT INFORMATION:

ACUTE ORAL LD50 (MG/KG): ACUTE DERMAL LD50 (MG/KG): ACUTE INHALATION LC50 (MG/L): UNKNOWN

UNKNOWN UNKNOWN

OTHER: None.

AMES TEST:

UNKNOWN

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: CHEMICAL FATE INFORMATION:

No data at this time No data at this time

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

Disposal should be made in accordance with federal, state and local regulations.

Bury in a licensed landfill or burn in an approved incinerator according to federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT SHIPPING NAME:

NONE

DOT HAZARD CLASS:

NOT DOT REGULATED

DOT LABEL(S): UN/NA NUMBER:

NONE NONE

PLACARDS:

NONE

IATA:

NOT REGULATED BY LATA

IMO IMDG-code:

NOT REGULATED FOR OCEAN TRANSPORTATION

PRODUCT: LIM6071B LIM SILICONE RUBBER PAGE: 006

EUROPEAN CLASS:

EMS No:

RID (OCTI):

NONE

ADR (ECE) : RAR (IATA):

NONE NONE

NA

15. REGULATORY INFORMATION

SARA SECTION 302:

None Found

SARA (311,312) HAZARD CLASS:

SARA (313) CHEMICALS:

. NONE

CPSC CLASSIFICATION:

NA

WHMIS HAZARD CLASS:

D2A VERY TOXIC MATERIALS

WHMIS TRADE SECRET:

None

EXPORT:

SCHDLE B/HTSUS:

3910.00 Silicones in Primary Form

EAR99

HAZARD RATING SYSTEMS

HMIS NFPA

ECCN:

FLAMMABILITY 0 , REACTIVITY 1 , HEALTH 0

FLAMMABILITY 0 , REACTIVITY 1 , HEALTH 0

CALIFORNIA PROPOSITION 65:

THIS PRODUCT CONTAINS CALIFORNIA PROPOSITION 65 CHEMICALS WHICH ARE LISTED BELOW.

BENZENE (71-43-2) TOLUENE (108-88-3)

16. OTHER INFORMATION

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

C = ceiling limit NEGL = negligible EST = estimated NF = none found

LIM SILICONE RUBBER PRODUCT: LIM6071B UNKN = unknown NA = not applicable NE = none established ND = none determined REC = recommended = recomm. By vendor V By-product = reaction by- SKN = skin product, TSCA inventory TS = trade secret status not required under R = recommended MST = mist40 CFR part 720.30(h-2) STEL = short term exposure NT = not tested limit Califonia Proposition 65... Warning! This product contains a chemical known to the State of California to cause cancer. Califonia Proposition 65... Warning! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. 

If shipment by air is required, be certain that container has not been contaminated by acidic, basic, or oxidizing materials

and container is undamaged.

PAGE: 007

DATE PRINTED: 07/25/00

\*\*\* END OF MSDS \*\*\*

FORMAT: USA

MATERIAL SAFETY DATA SHEET COPYRIGHT GENERAL ELECTRIC CO.

PRODUCT: LIM6745B-D1

POLYDIMETHYLSILOXANE

PAGE: 001

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY:

GE SILICONES

SUPPLIED BY: GE SILICONES

260 HUDSON RIVER ROAD

260 HUDSON RIVER ROAD

WATERFORD, NY 12188

WATERFORD, NY 12188

EMERGENCY PHONE (24 HRS)

EMERGENCY PHONE (24 HRS)

(518) 237-3330

(518) 237-3330

REVISED:

06/02/98

PREPARER:

CE HANNIGAN

CHEMICAL FAMILY/USE:

SILICONE RUBBER

FORMULA:

MIXTURE

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION/	APPROX.	ACGIE	VIT E	OSHA	PEL	
CAS REG NO.	WGT. %	TWA	STEL	TWA	STEL	UNITS
A. HAZARDOUS						
BENZENE						
71-43-2	80PPB	0.5	2.5	1	5	PPM
TOLUENE						
108-88-3	<.026	50 (SKN)	NE	100	150	PPM
B. NON-HAZARDOUS						
VINYLPOLYDIMETHYLSILOXA	NE					
68083-19-2	60-80	NA	NE	NA.	NE	NA
I/ST DIMETHYL-METHYLVI	NYLSILO	CANE				
68083-18-1	1-5	NA	NE	N/A	NE	NA
TRADE SECRET COMPONENT						
	1-5	NA	NE	NA	NE	NA
D4 & HMDZ TREATED SILIC	A					
68937-51-9	10-30	N/A	NA	NA	N/A	N/A

See Section 15 for description of any WHMIS Trade Secret(s).

# 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

Clear Solid

Odorless

Refer to other MSDS sections for detailed information.

PAGE: 002

POTENTIAL HEALTH EFFECTS:

INGESTION:

None known

SKIN CONTACT:

None known.

(NHALATION:

None Known.

EYE CONTACT:

May cause mild eye irritation.

MEDICAL CONDITIONS AGGRAVATED:

None known.

SUBCHRONIC (TARGET ORGAN) EFFECTS:

None known.

CHRONIC EFFECTS/CARCINOGENICITY:

This product or one of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

PRODUCTS/INGREDIENTS

This space reserved for special use.

PRINCIPLE ROUTES OF EXPOSURE:

Eyes.

OTHER:

This product contains Methylpolysiloxanes which can generate Formaldehyde at approximately 300 degrees farenheit (150'C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. An MSDS for Formaldehyde is available from GE Silicones.

#### FIRST AID MEASURES

INGESTION:

None known.

¿KIN:

Wash with soap and water.

INHALATION:

None known.

EYES:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

NOTE TO PHYSICIAN:

None known.

FIRE FIGHTING MEASURES

PRODUCT: LIM6745B-D1 POLYDIMETHYLSILOXANE PAGE: 003 FLASH POINT: (C) NA NA (F) NA METHOD UNK (C) UNK (F) IGNITION TEMP FLAMMABLE LIMITS IN AIR - LOWER (%): NA FLAMMABLE LIMITS IN AIR - UPPER (%): NA SENSITIVITY TO MECHANICAL IMPACT (Y/N): NO SENSITIVITY TO STATIC DISCHARGE: Sensitivity to static discharge is not expected. EXTINGUISHING MEDIA: All standard firefighting media SPECIAL FIREFIGHTING PROCEDURES: None known.

#### 6. ACCIDENTAL RELEASE MEASURES

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
Wear proper protective equipment as specified in the protective equipment section.
Wipe, scrape, or soak up in an inert material and put in a container intended for flammable materials for disposal.

# 7. HANDLING AND STORAGE

#### /: IMMODING AND DIGITALS

### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

Do not reuse this container.

Relieve any internal pressure when received and at least weekly thereafter by slowly loosening bung. Retighten bung immediatly. Avoid contact with eyes.

Keep container closed when not in use to prevent contact with acidic, basic or oxidizing materials, and metallic catalysts like tin soaps and noble metals(pt, rh, etc.).

# 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

None known.

RESPIRATORY PROTECTION:

None known.

PROTECTIVE GLOVES:

Cloth gloves.

EYE AND FACE PROTECTION:

Safety glasses.

OTHER PROTECTIVE EQUIPMENT:

None known.

POLYDIMETHYLSILOXANE PAGE: 004

VENTILATION: None known.

#### PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT INFORMATION:

(C) NA BOILING POINT NΆ (F)

VAPOR PRESSURE (20 C) (MM HG): NEG VAPOR DENSITY (AIR=1) NEG

FREEZING POINT NA (C) NA MELTING POINT NA (C) NA

PHYSICAL STATE SOLID ODOR NONE

COLOR CLEAR ODOR THRESHOLD (PPM) NA

% VOLATILE BY VOLUME <1 EVAP. RATE (BUTYL ACETATE=1): <1 SPECIFIC GRAVITY (WATER=1) : 1.12

DENSITY (KG/M3) ~1120 ACID/ALKALINITY (MEQ/G) UNK 7.0

VOC EXCL. H2O & EXEMPTS (G/L): NT SOLUBILITY IN WATER (20 C) : NEG

SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT): TOLUENE

# 10. STABILITY AND REACTIVITY

TABILITY:

STABLE

AZARDOUS POLYMERIZATION:

WILL NOT OCCUR

HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:

Carbon monoxide. Carbon dioxide.

Silicon dioxide.

Flammable hydrogen gas.

Formaldehyde.

INCOMPATIBILITY (MATERIALS TO AVOID):

Avoid contact with acidic, basic, or oxidizing agents, and metallic catalysts like tin soaps and noble metals (pt, rh,

etc.)..

CONDITIONS TO AVOID:

Product generates flammable gas on contact with acids, bases or oxidizing materials.

11. TOXICOLOGICAL INFORMATION

PRODUCT INFORMATION:

ACUTE ORAL LD50 (MG/KG): ACUTE DERMAL LD50 (MG/KG): UNKNOWN UNKNOWN

ACUTE INHALATION LC50 (MG/L):

UNKNOWN

OTHER:

None.

AMES TEST:

UNKNOWN

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION:

No data at this time No data at this time

CHEMICAL FATE INFORMATION:

DISPOSAL CONSIDERATIONS

DISPOSAL METHOD:

Disposal should be made in accordance with federal, state and

local regulations.

Bury in a licensed landfill or burn in an approved incinerator

according to federal, state, and local regulations.

14. TRANSPORT INFORMATION

DOT SHIPPING NAME:

NONE

DOT HAZARD CLASS:

NOT DOT REGULATED

DOT LABEL(S): UN/NA NUMBER:

NONE NONE

PLACARDS:

NONE

IATA:

NOT REGULATED BY IATA

IMO IMDG-code:

NONE NA

EMS No: EUROPEAN CLASS:

RID (OCTI):

NONE

ADR (ECE) :

NONE

RAR (IATA):

NONE

PAGE: 006

#### 15. REGULATORY INFORMATION

SARA SECTION 302:

None Found

JARA (311,312) HAZARD CLASS:

NONE

SARA (313) CHEMICALS:

NONE

CPSC CLASSIFICATION:

NA

WHMIS HAZARD CLASS:

NON-CONTROLLED

WHMIS TRADE SECRET:

None EXPORT:

SCHOLE B/HTSUS:

3910.00 Silicones in Primary Form

ECCN:

NFPA

EAR99

HAZARD RATING SYSTEMS HMIS

FLAMMABILITY 0 , REACTIVITY 1 , HEALTH 0 FLAMMABILITY 0 , REACTIVITY 1 , HEALTH 0

CALIFORNIA PROPOSITION 65:

THIS PRODUCT CONTAINS CALIFORNIA PROPOSITION 65 CHEMICALS WHICH ARE LISTED BELOW.

BENZENE (71-43-2) TOLUENE (108-88-3)

#### 16. OTHER INFORMATION

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is made. The recommended handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific content of the intended use.

C = ceiling limit NEGL = negligible
EST= estimated NF = none found
NA = not applicable UNKN = unknown
NE = none established REC = recommended
ND = none determined V = recomm. By vendor
By-product = reaction byBy-product = reaction byBy-product, TSCA inventory TS = trade secret
status not required under R = recommended
40 CFR part 720.30 (h-2) MST = mist
STEL = short term exposure NT = not tested

STEL = short term exposure NT = not tested

PRODUCT: LIM6745B-D1 POLYDIMETHYLSILOXANE PAGE: 007

limit

Califonia Proposition 65...

Warning! This product contains a chemical known to the State of California to cause cancer.

of California to Cause Cancer.

Califonia Proposition 65...

Warning! This product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

If shipment by air is required, be certain that container has not been contaminated by acidic, basic, or oxidizing materials and container is undamaged.

DATE PRINTED: 12/14/99

\*\*\* END OF MSDS \*\*\*

3020 Macey Femily Properties

2 2 409 8 409 1 409 1 409



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 10/6/2008

Dear Louis Macey

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3020

**Expiration Date** 10/6/2010

**Generator:** Macey Family Properties

Address: 1717 St. James Place Ste 118

Houston, TX 77056

Waste Information

Name of Waste: Unused pigments (non hazardous)

TCEQ Waste Code #: CESQ5011

Container Type: pails

**Detailed Description of Process Generating Waste:** 

Unused stan tone pigments used to color silicone for printing t-shirts

Color: varies

Odor: none pH: na

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

level d ppe

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

ř.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

DB

PFI for treatment + Handling veters to Part A+B. This is

# CES Environmental Services, Inc.

refers to Part A+		Service	es, Inc.		
CES Environme 4904 Griggs Road, I Phone: (713) 676-14 TCEQ Industrial So U.S. EPA ID No: TS	ental Services – Hous Houston, TX 77021 160 Fax: (	713) 676-1676 : 30948	2420 S. Gulfw Phone: (713)	ay Drive, Por 676-1460	rvices – Port Arthur Facility t Arthur, TX 77641 Fax: (713) 676-1676 79307 ISWR No: 88585
SECTION 1: Mater	rial Producer Inform	ation_			
Company:	Macey Far	nily Properti	<u> </u>		
Address:	1717 St. JAY	nes Place 井已	118		
City, State, Zip:	Houston.	TX TTO	56		
Contact:	LouisMa	cev	Title:		
Phone No:	713-960-01	-90	Fax No:	71396	0 8374
24/hr Phone:			_ <del></del>		
U.S. EPA I.D. No:	NA				
State I.D.	MA		SIC Code:	MA	
		<del></del>			
SECTION 2. Billin	g Information – 🔼 S	Same as Ahove			
Company:	E Information - F XC	ame as Above			
Address:		<del></del>			
_					
City, State, Zip:		Title			
Contact:		Title:	·		
Phone No:		Fax N	o:		
	of Process Generations of Process Generations Generation of Process Generation of Proces	Sludge	Material / Product:		Tone pigments used to color
	☐ Solid	☐ Filter Cake	Combinatio	n	
Color: Variety		Odor: <u>None</u>			
Specific Gravity (wa	nter=1): <u>1-1.4</u>	<b>Density:</b> <u>9-10</u> lbs/g	al		
Does this material c	ontain any total phe	nolic compounds? 🗌	Yes 🛚 No		
Does this material c	ontain any para subs	stituted phenolic comp	ounds? 🗌 Yes 🏻	⊠ No	
Layers:	Single-phase	☐ Multi-pha	se		
Container Type:	☐ Drum	☐ Tote	☐ Truck		Other (explain)
Container Size:				\$	5 & 1 Gal
Frequency:	☐ Weekly	Monthly	Quarterly	П ,	Yearly
	_	<del></del>	Quantotiy	<u> </u>	
Number of Units (co	ontainers): 1-50	Other:	<del>-</del>		
		ŒSQ 501			
Proper U.S. DOT Si	nipping Name:		n-DOT Regulated W	aste Pigments	
-			<u> </u>		
Class: Na	UN/N	A: Na	PG: Na	1.	RO: Na

Flash Point >200	рН	N/A	N/A	Sol	
Ol&Grease	Na TOC	Zinc	Copper	0-5 Nickel	-76
Namg/I	Namg/I	Namg/I	Namg/I	Namg/I	
SECTION 4: Physic		VICTOR			
	COMPONENT			Concentration	Units
	<u> </u>	of the following mat		Ranges are acceptable	
Stan Tone Pigment	s (in several colors	-see MSUS sneets)	-y-www.man.a-ya,	<i>Ø</i> <b>/</b> 100	%
	<u> </u>			<del>, , , , , , , , , , , , , , , , , , , </del>	
				· · · · · · · · · · · · · · · · · · ·	
	- · · · · · · · · · · · · · · · · · · ·				
	<del> </del>			····	
•					
SECTION 5: Safety	Related Data				
If the handling of the Level D PPE	ls material / produc	t requires the use of	special protecti	ve equipment, please expl	ain.
SECTION 6: Attact	ed Supporting Doc	uments			
List all documents, a MSDS Sheets	iotes, data, and/or a	nalysis attached to ti	his form as part	of the material / product ;	profile.
SECTION 7: Incom	<u>patibilities</u>				
Please list all incomp <u>None</u>	eatibilities (if any):				
SECTION 8: Mater	ial Producer's Cert	ificatioл.			
The information contactached description	ained herein is based is complete and acci ition properties exist ve of all materials de	on  generator kno urate to the best of a and that all known o scribed by this docum	ny knowledge a or suspected haza	analytical data. I hereby nd ability to determine tha ards have been disclosed.	at no deliberate or willful
Authorized Signatur	. The	Il/accep	7	Date: 09/22/08	
_	Jan i's	MARON			
Printed Name/Title:	<u> </u>			unconstructed the later of the	
		•			•
CES USE ONLY (DO NO	T WRITE IN THIS SPA	CE)		,	
Technical Manager:	robbut !	pt-			
Date: 10-6-0	X App	roved Rejected			
Approval Number:	3020				

pignents



# PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	\$5/1 Gal
	\$20/ 5 gal Drum
·	
2.	Contamination Limits (maximum limit before surcharges apply):
	Non Conforming to Profile
	or Fails Flash
ı	
3.	Surcharge Pricing:
	None
4.	Special Testing Requirements:
[	Flash- In Case they mixed with Xylene (Xylene was used as a stripper and is on site. However, these drums should not be
	mixed, but check flash just in case.
	Check for flash
١	· · · · · · · · · · · · · · · · · · ·
<b>5.</b>	Treatment and Handling Protocol:
[	Keep components A and B separate
	Dispose part A and B in Separate Class 1 Solids or Sludge Boxes based on Consistancy of Product. May require Shredding
	al silver and a silver and a silver a
	Class I solids bux at Studge box depending on
	Louis and
	Consistency
٠	
6.	Treated Wastewater Discharge Subcategory:
[	
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



# PROCESS FACILITY INFORMATION (CES USE ONLY!!)

	Na
_	
8.	Management for Product Recovered/Recycled (if applicable);
8.	Management for Product Recovered/Recycled (if applicable);  Na
8.	
8.	
8.	
8.	

# Harwick Chemical Manufacturing Corporation

a business unit of M.A. Hanna Company

# MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-22703 Glo-Blue

# SECTION I - Preparation / Product Information

MANUFACTURED FOR AND SUPPLIED BY

Harwick Chemical Manufacturing Corporation

2020 Front Street

Suite 106

Cuyahoga Falls, Ohio 44221

TELEPHONE NO:

DATE PREPARED:

PREPARER: PRODUCT USE: (330) 916-6300

August 27, 1998

Environmental, Health & Safety Dept.

Colorant

# SECTION II - Ingredients / Identity Information

COMPON	ENTS	EXPOSURE LIMITS	TOXICITY	AMT
CHEMICAL IDENTITY	CAS # / UN #	PEL / TLV / OTHER	LD50 / LC50	%
Vinylpolydimethylsiloxane	68083-19-2	Not Established		30-40
Silane, dimethyldichloro, reaction product with sillca	68611-44-9	Not Established	LD50 rat/ oral > 5,000 mg/kg	.1-1
Zinc Sulfide, Copper Doped with Dyed Acrylate Resin *total dust	68611-70-1/ 28931-67-1	*15 mg/m <sup>3</sup> *10 mg/m <sup>3</sup>	LD50 rat/oral > 16,000 mg/kg	60-70

# SECTION III - Physical / Chemical Characteristics

**BOILING POINT:** 

Not Applicable

SPECIFIC GRAVITY  $(H_20=1)$ :

1.95 (calc.)

FREEZING POINT:

Not Applicable

pH:

Not Applicable

VAPOR PRESSURE (mm Hg):

Not Applicable

ODOR THRESHOLD (ppm): COEF. WATER / OIL DIST.: Not Determined

VAPOR DENSITY (AIR=1): SOLUBILITY IN WATER:

Not Applicable

**EVAPORATION RATE:** 

Not Applicable

Insoluble

Not Applicable

APPEARANCE (PHYSICAL STATE) AND ODOR:

Paste; Blue

Odor; Slight

## SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method):

Not Applicable

**EXTINGUISHING MEDIA:** 

Water, dry chemical, chemical foam, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Use self contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

.MIS RATING: 1

Page - 2

IDENTITY: Stan-Tone® HCC-22703 Glo-Blue

FLAMMABLE LIMITS LEL:

Not Applicable

UEL:

Not Applicable

**AUTOIGNITION TEMPERATURE:** 

Not Applicable

SENS. TO MECHANICAL IMPACT:

Not Applicable

SENS. TO STATIC DISCHARGE:

Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide, formaldehyde, Hydrogen sulfide gas, ZnO, SO2

# SECTION V - Reactivity Data

STABILITY

Stable

X

Unstable

CONDITIONS TO AVOID (Condition of Reactivity): Heat can release toxic fumes of hydrogen sulfide gas on contact with moisture or acid.

INCOMPATIBILITY (Materials to Avoid): Acids

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SOx, formaldehyde, Hydrogen sulfide gas, ZnO, SO2

HAZARDOUS POLYMERIZATION

May Occur:

Will Not Occur:

χ

CONDITIONS TO AVOID:

None Known

HMIS RATING: 0

# SECTION VI - Health Hazard Data

#### PRIMARY ROUTE OF EXPOSURE

Inhalation:

Skin Contact:

Skin Absorption:

Ingestion:

Eye Contact: X

HEALTH HAZARDS

Acute: May cause eye and skin irritation.

Chronic: None Known

CARCINOGEN:

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards listed above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

VHMIS CLASSIFICATION

Not Determined

HMIS RATING: 1

Page - 3

IDENTITY: Stan-Tone® HCC-22703 Glo-Blue

# SECTION VII - First Aid Measures

## EMERGENCY AND FIRST AID PROCEDURES

Inhalation:

Move to fresh air.

Ingestion:

Consult a physician.

Skin Contact: Wash with soap and water.

Eye Contact:

Flush with water for 15 minutes. If irritation persists, consult a physician.

# SECTION VIII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Pick or scoop up and place in suitable container for disposal

Waste Disposal Method:

In accordance with all Federal, State and Local regulations. Refer to Section X.

Precautions to be taken in handling and storing:

Keep away from excessive heat and open flame. Avoid contact with eyes, skin and clothing.

## **SECTION IX - Control Measures**

Respiratory Protection: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV as necessary.

**VENTILATION** 

Local Exhaust:

Recommended to minimize exposure.

Mechanical (General):

Recommended to minimize exposure.

PROTECTIVE GLOVES:

**Impervious** 

EYE PROTECTION:

Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES:

Wash thoroughly after handling

Page - 4

IDENTITY: Stan-Tone® HCC-22703 Glo-Blue

# SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA inventory.

#### SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

Zinc Sulfide, Copper Doped with Dyed Acrylate Resin (zinc compounds)

60-70%

## RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

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1/97

# Harwick Chemical Manufacturing Corporation

a business unit of M.A. Hanna Company

# NATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-22992 Marine Green

# SECTION I - Preparation / Product Information

MANUFACTURED FOR AND SUPPLIED BY

Harwick Chemical Manufacturing Corporation

2020 Front Street

Suite 106

Cuyahoga Falls, Ohio 44221

**TELEPHONE NO:** 

DATE PREPARED:

May 14, 1998

PREPARER:

Environmental, Health & Safety Dept. Colorant

(330) 916-6300

PRODUCT USE:

SECTION II - Ingredients / Identity Information

COMPONENTS CHEMICAL IDENTITY CAS # / UN #		EXPOSURE LIMITS PEL / TLV / OTHER	TOXICITY LD50 / LC50	AMT %
Vinylpolydimethylsiloxane	68083-19-2	Not Established		50-60
Sodium Alumino Sulphosilicate CI Pigment Blue 29, CI #77007 *PEL for total dust **TLV for respirable dust	57455-37-5	*10 mg/m <sup>3</sup> **5 mg/m <sup>3</sup>	LD50 rat/oral > 10,000 mg/kg	30-40
Iron Oxide CI Pigment Red 101; CI#77491	1309-37-1	Not Established	LD50 rat/oral >5000 mg/kg	5-10
Isoindolinone CI Pigment Yellow 110, CI #56280	106276-80-6	Not Established	LD50 rat/oral >5,000 mg/kg	5-10

# SECTION III - Physical / Chemical Characteristics

**BOILING POINT:** 

Not Applicable

SPECIFIC GRAVITY  $(H_20=1)$ :

FREEZING POINT:

Not Applicable

1.37(calc.) Not Applicable

VAPOR PRESSURE (mm Hg):

Not Applicable

ODOR THRESHOLD (ppm): COEF. WATER / OIL DIST.: Not Determined

VAPOR DENSITY (AIR = 1):

Not Applicable

**EVAPORATION RATE:** 

Not Applicable Not Applicable

SOLUBILITY IN WATER:

Insoluble

Paste; Green Odor; Slight

APPEARANCE (PHYSICAL STATE) AND ODOR:

# SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method):

Not Applicable

**EXTINGUISHING MEDIA:** 

Water, dry chemical, chemical foam, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Wear self contained breathing apparatus and full protective clothing

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HMIS RATING: 1

FLAMMABLE LIMITS, LEL:

Not Applicable

UEL: Not Applicable

**AUTOIGNITION TEMPERATURE:** 

Not Applicable

SENS. TO MECHANICAL IMPACT:

Not Applicable

SENS. TO STATIC DISCHARGE:

Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide, formaldehyde, hydrogen sulfide, SOx, NOx, chlorine compounds, toxic gases and vapors

## SECTION V - Reactivity Data

STABILITY

Stable

Χ

Unstable

CONDITIONS TO AVOID (Condition of Reactivity): Temps > 350oC

INCOMPATIBILITY (Materials to Avoid): Acids

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SOx, formaldehyde, hydrogen sulfide, sulfur dioxide, Chlorine compounds, NOx, toxic gases and vapors

HAZARDOUS POLYMERIZATION

May Occur:

Will Not Occur:

Χ

CONDITIONS TO AVOID:

None Known

HMIS RATING: 0

# SECTION VI - Health Hazard Data

#### PRIMARY ROUTE OF EXPOSURE

Inhalation:

Χ

Skin Contact: X

Skin Absorption:

Ingestion:

Χ

Eye Contact: X

**HEALTH HAZARDS** 

Acute: May cause eye and skin irritation

Chronic: None Known

CARCINOGEN:

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards listed above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Persons suffering from chronic respiratory diseases may be at increased risk

WHMIS CLASSIFICATION

Not Determined

HMIS RATING: 1

## SECTION VII - First Aid Measures

#### EMERGENCY AND FIRST AID PROCEDURES

Inhalation:

Move to fresh air.

Ingestion:

Consult a physician.

Skin Contact:

Wash with soap and water.

Eye Contact:

Flush with water for 15 minutes. If irritation persists, consult a physician.

## SECTION VIII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Pick or scoop up and place in suitable container for disposal

Waste Disposal Method:

In accordance with all Federal, State and Local regulations. Refer to Section X.

Precautions to be taken in handling and storing:

Keep away from excessive heat and open flame. Avoid contact with eyes, skin and clothing.

#### SECTION IX - Control Measures

Respiratory Protection: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV as necessary.

**VENTILATION** 

Local Exhaust:

Recommended to minimize exposure.

Mechanical (General):

Recommended to minimize exposure.

PROTECTIVE GLOVES:

**Impervious** 

EYE PROTECTION:

Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES:

Wash thoroughly after handling

## SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA inventory.

#### SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None Known

#### RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

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EPAHO110001623

# Harwick Chemical Manufacturing Corporation

a business unit of M.A. Hanna Company

# **1ATERIAL SAFETY DATA SHEET**

IDENTITY: Stan-Tone® HCC-22993 Red

# SECTION I - Preparation / Product Information

MANUFACTURED FOR AND SUPPLIED BY

Harwick Chemical Manufacturing Corporation

2020 Front Street

Suite 106

Cuyahoga Falls, Ohio 44221

**TELEPHONE NO:** 

(330) 916-6300

DATE PREPARED:

May 14, 1998

PREPARER: PRODUCT USE: Environmental, Health & Safety Dept.

Colorant

# SECTION II - Ingredients / Identity Information

COMPONENTS  CHEMICAL IDENTITY CAS # / UN #		EXPOSURE LIMITS PEL / TLV / OTHER	TOXICITY LD50 / LC50	AMT %
Vinylpolydimethylsiloxane	68083-19-2	Not Established	203072030	60-70
Quinacridone CI Pigment Violet 19, CI#73900	1047-16-1	Not Established	LD50 rat/oral > 10,000 mg/kg	20-30
Iron Oxide CI Pigment Red 101, CI #77491	1309-37-1	Not Established	LD50 rat/oral >5000 mg/kg	5-10

## SECTION III - Physical / Chemical Characteristics

**BOILING POINT:** 

FREEZING POINT:

VAPOR PRESSURE (mm Hg):

SOLUBILITY IN WATER:

VAPOR DENSITY (AIR = 1): Insoluble APPEARANCE (PHYSICAL STATE) AND ODOR:

Not Applicable

Not Applicable

Not Applicable

Not Applicable

SPECIFIC GRAVITY  $(H_20=1)$ :

ODOR THRESHOLD (ppm):

COEF. WATER / OIL DIST.: **EVAPORATION RATE:** 

Paste; Red Odor: Slight 1.14(calc.)

Not Applicable Not Determined

Not Applicable

Not Applicable

#### SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method):

Not Applicable

EXTINGUISHING MEDIA:

Water, dry chemical, chemical foam, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Wear self contained breathing apparatus and full protective clothing

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HMIS RATING: 1

FLAMMABLE LIMITS LEL:

Not Applicable

UEL: Not Applicable

AUTOIGNITION TEMPERATURE:

Not Applicable

SENS. TO MECHANICAL IMPACT:

Not Applicable

SENS. TO STATIC DISCHARGE:

Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide, formaldehyde, NOx, chlorine compounds, toxic vapors

#### SECTION V - Reactivity Data

STABILITY

Stable

Χ

Unstable

CONDITIONS TO AVOID (Condition of Reactivity): None Known

INCOMPATIBILITY (Materials to Avoid): None Known

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SOx, formaldehyde, NOx, Chlorine compounds, as well as other toxic gases and vapors

HAZARDOUS POLYMERIZATION

May Occur:

Will Not Occur:

Х

CONDITIONS TO AVOID:

None Known

#### SECTION VI - Health Hazard Data

#### PRIMARY ROUTE OF EXPOSURE

Inhalation:

χ

Skin Contact:

Skin Absorption:

Ingestion:

Χ

Eye Contact: Χ

**HEALTH HAZARDS** 

Acute: May cause eye and skin irritation

Chronic: None Known

CARCINOGEN:

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards listed above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

WHMIS CLASSIFICATION

Not Determined

HMIS RATING: 1

#### SECTION VII - First Aid Measures

#### EMERGENCY AND FIRST AID PROCEDURES

Inhalation:

Move to fresh air.

Ingestion:

Consult a physician.

Skin Contact: Wash with soap and water.

Eye Contact:

Flush with water for 15 minutes. If irritation persists, consult a physician.

#### SECTION VIII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Pick or scoop up and place in suitable container for disposal

Waste Disposal Method:

In accordance with all Federal, State and Local regulations. Refer to Section X.

Precautions to be taken in handling and storing:

Keep away from excessive heat and open flame. Avoid contact with eyes, skin and clothing.

#### SECTION IX - Control Measures

Respiratory Protection: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV as necessary.

**VENTILATION** 

Local Exhaust:

Recommended to minimize exposure.

Mechanical (General):

Recommended to minimize exposure.

PROTECTIVE GLOVES:

**Impervious** 

EYE PROTECTION:

Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES:

Wash thoroughly after handling

#### SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA Inventory.

#### SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None Known

#### RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON DATA THAT IS ACCURATE AND RELIABLE TO THE BEST OF HARWICK'S KNOWLEDGE AND BELIEF. HARWICK MAKES NO WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE GOODS OR USE OF THE GOODS OR THE PERFORMANCE OF THE GOODS AND MAKES NO WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. IN NO EVENT SHALL HARWICK BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL, DIRECT OR SPECIAL DAMAGES ARISING, DIRECTLY OR INDIRECTLY, IN RESPECT TO SUCH GOODS OR THE USE OR FAILURE THEREOF, WHETHER BASED ON BREACH OF WARRANTY, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE.

# **Harwick Chemical Manufacturing Corporation**

a business unit of M.A. Hanna Company

#### MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-22994 Blue

#### **SECTION I - Preparation / Product Information**

MANUFACTURED FOR AND SUPPLIED BY

Harwick Chemical Manufacturing Corporation

2020 Front Street

Suite 106

Cuyahoga Falls, Ohio 44221

**TELEPHONE NO:** 

DATE PREPARED:

(330) 916-6300 May 14, 1998

PREPARER: PRODUCT USE: Environmental, Health & Safety Dept.

#### SECTION II - Ingredients / Identity Information

COMPONEN	TS	EXPOSURE LIMITS	TOXICITY	AMT
CHEMICAL IDENTITY	CAS # / UN #	PEL / TLV / OTHER	LD50 / LC50	%
Vinylpolydimethylsiloxane	68083-19-2	Not Established		60-70
Phthalocyanine CI Pigment Blue 15:3, CI# 74160	147-14-8	Not Established	LD50 rat/oral > 5gm/kg	10-20
Iron Oxide CI Pigment Red 101; CI#77491	1309-37-1	Not Established	LD50 rat/oral > 5000 mg/kg	10-20
Titanium Dioxide CI Pigment White #6, CI #77891 Containing Hydrated	13463-67-7	*15 mg/m <sup>3</sup> *10 mg/m <sup>3</sup>	LD50 rat/oral > 25 g/kg	5-10
alumina; CAS #21645-51-2 *PEL & TLV for titanium dioxide (total dust).		,		
Carbon Black CI Pigment Black 7	1333-86-4	3.5mg/m <sup>3</sup> 3.5mg/m <sup>3</sup>	LD50 rat/oral >5000 mg/kg	1-5

#### SECTION III - Physical / Chemical Characteristics

pH:

**BOILING POINT:** 

Not Applicable

SPECIFIC GRAVITY  $(H_20=1)$ :

1.27(calc.) Not Applicable

FREEZING POINT: VAPOR PRESSURE (mm Hg):

Not Applicable Not Applicable Not Applicable

ODOR THRESHOLD (ppm): COEF. WATER / OIL DIST.: Not Determined Not Applicable

VAPOR DENSITY (AIR=1): SOLUBILITY IN WATER:

Insoluble

**EVAPORATION RATE:** 

Not Applicable

APPEARANCE (PHYSICAL STATE) AND ODOR:

Paste; Blue

Odor; Slight

#### SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method):

Not Applicable

**EXTINGUISHING MEDIA:** 

Water, dry chemical, chemical foam, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Wear self contained breathing apparatus and full protective clothing

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HMIS RATING: 1

FLAMMABLE LIMITS LEL:

Not Applicable

UEL: Not Applicable

**AUTOIGNITION TEMPERATURE:** 

Not Applicable

SENS. TO MECHANICAL IMPACT:

Not Applicable

SENS. TO STATIC DISCHARGE:

Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide, formaldehyde

#### SECTION V - Reactivity Data

STABILITY

Stable

Χ

Unstable

CONDITIONS TO AVOID (Condition of Reactivity): Excessive heat or flame. Temp > 315C

INCOMPATIBILITY (Materials to Avoid): Strong oxidiziers

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SOx, formaldehyde, NOx, and HCL depending on pigments

HAZARDOUS POLYMERIZATION

May Occur:

Will Not Occur:

Х

CONDITIONS TO AVOID:

None Known

#### SECTION VI - Health Hazard Data

#### PRIMARY ROUTE OF EXPOSURE

Inhalation:

X

Skin Contact:

Skin Absorption:

Ingestion:

X

Eye Contact: X

**HEALTH HAZARDS** 

Acute: May cause eye, skin and/or respiratory tract irritation.

Chronic: Chronic inflammation, lung fibrosis and lung tumors were found in rats experimentally exposed for long periods of time to excessive concentrations of carbon black. Epidemiological studies of workers exposed to carbon black have shown no significant health effects due to occupational exposure.

CARCINOGEN: Carbon Black

NTP: No IARC: Yes, 2B(Known animal carcinogen, possible human carcinogen) OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards listed above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: May aggravate certain pre-existing upper respiratory disorders, such as bronchitis or asthma.

#### WHMIS CLASSIFICATION

Not Determined

HMIS RATING: 1\*

#### SECTION VII - First Aid Measures

#### EMERGENCY AND FIRST AID PROCEDURES

Inhalation:

Move to fresh air.

Ingestion:

Consult a physician.

Skin Contact: Wash with soap and water.

Eye Contact:

Flush with water for 15 minutes. If irritation persists, consult a physician.

#### SECTION VIII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Pick or scoop up and place in suitable container for disposal

Waste Disposal Method:

In accordance with all Federal, State and Local regulations. Refer to Section X.

Precautions to be taken in handling and storing:

Geep away from excessive heat and open flame. Avoid contact with eyes, skin and clothing.

#### **SECTION IX - Control Measures**

Respiratory Protection: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV as necessary.

**VENTILATION** 

Local Exhaust:

Recommended to minimize exposure.

Mechanical (General):

Recommended to minimize exposure.

PROTECTIVE GLOVES:

**Impervious** 

**EYE PROTECTION:** 

Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

**WORK/HYGIENIC PRACTICES:** 

Wash thoroughly after handling

#### SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA Inventory.

#### SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None Known

#### **RCRA STATUS:**

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

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# Harwick Chemical Manufacturing Corporation

a business unit of M.A. Hanna Company

#### MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-23324 Lite Blue

#### SECTION | - Preparation / Product Information

MANUFACTURED FOR AND SUPPLIED BY

Harwick Chemical Manufacturing Corporation

2020 Front Street

Suite 106

Cuyahoga Falls, Ohio 44221

TELEPHONE NO:

(330) 916-6300

DATE PREPARED:

August 14, 1998

PREPARER:

Environmental, Health & Safety Dept.

PRODUCT USE: Colorant

#### SECTION II - Ingredients / Identity Information

COMPONE CHEMICAL IDENTITY	NTS CAS # / UN #	EXPOSURE LIMITS PEL / TLV / OTHER	TOXICITY LD50 / LC50	AMT %
Vinylpolydimethylsiloxane	68083-19-2	Not Established		60-70
Titanium Dioxide with Aluminum Hydroxide CI Pigment White 6 *Titanium Dioxide (Tota	13463-67-7/ 21645-51-2 nl Dust)	*15 mg/m <sup>3</sup> *10 mg/m <sup>3</sup>	LD50 rat/oral >25 g/kg	10-20
Phthalocyanine CI Pigment Blue 15:3, CI #74160	147-14-8	Not established		10-20

#### SECTION III - Physical / Chemical Characteristics

**BOILING POINT:** 

Not Applicable

SPECIFIC GRAVITY (H,0=1):

1.20 (calc.)

FREEZING POINT:

Not Applicable

:Hq

Not Applicable

VAPOR PRESSURE (mm Hg):

Not Applicable

ODOR THRESHOLD (ppm):

Not Determined

VAPOR DENSITY (AIR=1):

Not Applicable

COEF. WATER / OIL DIST.:

Not Applicable

SOLUBILITY IN WATER:

**EVAPORATION RATE:** 

Insoluble

Paste; Blue

Not Applicable

APPEARANCE (PHYSICAL STATE) AND ODOR:

Odor: Slight

#### SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method):

Not Applicable

**EXTINGUISHING MEDIA:** 

Water, dry chemical, chemical foam, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Use self contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

IDENTITY: Stan-Tone® HCC-23324 Lite Blue

FLAMMABLE LIMITS LEL:

Not Applicable

**UEL:** 

Not Applicable

**AUTOIGNITION TEMPERATURE:** 

Not Applicable

SENS. TO MECHANICAL IMPACT:

Not Applicable

SENS. TO STATIC DISCHARGE:

Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide, formaldehyde

#### SECTION V - Reactivity Data

STABILITY

Stable

X

Unstable

CONDITIONS TO AVOID (Condition of Reactivity): None Known

INCOMPATIBILITY (Materials to Avoid): None Known

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SOx, formaldehyde

HAZARDOUS POLYMERIZATION

May Occur:

Will Not Occur:

X

CONDITIONS TO AVOID:

None Known

HMIS RATING: 0

#### SECTION VI - Health Hazard Data

#### PRIMARY ROUTE OF EXPOSURE

Inhalation:

Skin Contact:

Skin Absorption:

ingestion:

Eye Contact: χ

HEALTH HAZARDS

Acute: May cause eye and skin irritation. Ingestion may cause gastric disturbance. Dust inhalation may cause irritation in mucous membranes.

Chronic: None Known

CARCINOGEN:

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards listed above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

IMIS CLASSIFICATION

Not Determined

IDENTITY: Stan-Tone® HCC-23324 Lite Blue

#### SECTION VII - First Aid Measures

#### EMERGENCY AND FIRST AID PROCEDURES

Inhalation:

Move to fresh air.

Ingestion:

Consult a physician.

Skin Contact:

Wash with soap and water.

Eye Contact:

Flush with water for 15 minutes. If irritation persists, consult a physician.

#### SECTION VIII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Pick or scoop up and place in suitable container for disposal

Waste Disposal Method:

In accordance with all Federal, State and Local regulations. Refer to Section X.

Precautions to be taken in handling and storing:

Keep away from excessive heat and open flame. Avoid contact with eyes, skin and clothing.

HARWICK CHEM MFG.

#### SECTION IX - Control Measures

Respiratory Protection: (Specify Type)

. NIOSH/MSHA approved respirator above PEL or TLV as necessary.

#### VENTILATION

Local Exhaust:

Recommended to minimize exposure.

Mechanical (General):

Recommended to minimize exposure.

PROTECTIVE GLOVES:

Impervious

EYE PROTECTION:

Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES:

Wash thoroughly after handling

IDENTITY: Stan-Tone® HCC-23324 Lite Blue

#### SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA inventory.

SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None Known

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

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# Harwick Chemical Manufacturing Corporation

a business unit of M.A. Hanna Company

#### MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-23325 Agua Green

#### SECTION ! - Preparation / Product Information

MANUFACTURED FOR AND SUPPLIED BY

Harwick Chemical Manufacturing Corporation

2020 Front Street

Suite 106

Cuyahoga Falls, Ohio 44221

TELEPHONE NO:

(330) 916-6300

DATE PREPARED:

August 14, 1998

PREPARER: PRODUCT USE: Environmental, Health & Safety Dept.

Colorant

#### SECTION II - Ingredients / Identity Information

COMPONE CHEMICAL IDENTITY	NTS CAS # / UN #	EXPOSURE LIMITS PEL / TLV / OTHER	TOXICITY LD50 / LC50	AMT %
Vinylpolydimethylsiloxane	68083-19-2	Not Established		70-80
Titanium Dioxide with Aluminum Hydroxide CI Pigment White 6 *Titanium Dioxide (Tota	13463-67-7/ 21645-51-2 of Dust)	*15 mg/m <sup>3</sup> *10 mg/m <sup>3</sup>	LD50 rat/oral >25 g/kg	10-20
Phthalocyanine CI Pigment Blue 15:3, CI #74160	147-14-8	Not established		1-5
Phthalocyanine CI Pigment Green 7, CI #74260	1328-53-6	Not Established	LD50 rat/oral >5g/kg	10-20

#### SECTION III - Physical / Chemical Characteristics

**BOILING POINT:** 

Not Applicable

SPECIFIC GRAVITY (H<sub>2</sub>0 = 1):

1.16 (calc.)

FREEZING POINT:

Not Applicable

pH:

Not Applicable

VAPOR PRESSURE (mm Hg):

Not Applicable

ODOR THRESHOLD (pom):

Not Determined

VAPOR DENSITY (AIR = 1):

APPEARANCE (PHYSICAL STATE) AND ODOR:

Not Applicable

COEF. WATER / OIL DIST.: EVAPORATION RATE:

Not Applicable Not Applicable

SOLUBILITY IN WATER:

insoluble

Paste: Green

Odor; Slight

#### SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method):

Not Applicable

**EXTINGUISHING MEDIA:** 

Water, dry chemical, chemical foam, CO2

:CIAL FIRE FIGHTING PROCEDURES: Use self contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Fire or excessive heat may produce hazardous decomposition products

IDENTITY: Stan-Tone® HCC-23325 Aqua Green

FLAMMABLE LIMITS LEL: Not Applicable

> UEL: Not Applicable

**AUTOIGNITION TEMPERATURE:** SENS. TO MECHANICAL IMPACT: Not Applicable

Not Applicable

SENS. TO STATIC DISCHARGE:

Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide, formaldehyde, NOx, HCL

#### SECTION V - Reactivity Data

STABILITY

Stable

X

Unstable

CONDITIONS TO AVOID (Condition of Reactivity): None Known

INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SOx, formaldehyde, NOx, HCL

HAZARDOUS POLYMERIZATION

May Occur:

Will Not Occur:

X

CONDITIONS TO AVOID:

None Known

HMIS RATING: 0

#### SECTION VI - Health Hazard Data

#### PRIMARY ROUTE OF EXPOSURE

Inhalation:

Skin Contact: X

Skin Absorption:

Ingestion:

Eye Contact: X

HEALTH HAZARDS

Acute: May cause eye and skin irritation. Ingestion may cause gastric disturbance. Dust inhalation may cause irritation in mucous membranes.

Chronic: None Known

CARCINOGEN:

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards listed above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

IMIS CLASSIFICATION

not Determined

IDENTITY: Stan-Tone® HCC-23325 Aqua Green

#### SECTION VII - First Aid Measures

#### EMERGENCY AND FIRST AID PROCEDURES

Inhalation:

Move to fresh air.

ingestion:

Consult a physician.

Skin Contact:

Wash with soap and water.

Eye Contact:

Flush with water for 15 minutes. If irritation persists, consult a physician.

#### SECTION VIII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Pick or scoop up and place in suitable container for disposal

Waste Disposal Method:

In accordance with all Federal, State and Local regulations. Refer to Section X.

Precautions to be taken in handling and storing:

Keep away from excessive heat and open flame. Avoid contact with eyes, skin and clothing.

#### SECTION IX - Control Measures

'espiratory Protection: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV as necessary.

#### VENTILATION

Local Exhaust:

Recommended to minimize exposure.

Mechanical (General):

Recommended to minimize exposure.

PROTECTIVE GLOVES:

**Impervious** 

EYE PROTECTION:

Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES:

Wash thoroughly after handling

IDENTITY: Stan-Tone® HCC-23325 Aqua Green

#### SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA inventory.

SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None Known

**RCRA STATUS:** 

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

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#### MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-21436 Gray BS				
**************************************	ormation			
MANUFACTURED FOR AND SUPPLIE	D BY:	TELEPHONE N	VO.: (330) 916-63	00
Harwick Chemical Manufacturing Corp 2020 Front Street		DATE PREPAR	ED: September 26	5, 1996
Suite 106 Cuyahoga Falls, OH 44221		PREPARER: Health, Safety, & Enviror PRODUCT USE: Colorant		nvironment
Cuyanoga 1 ans, O11 44221				
		DATE PRINTE	D: September 7, 2	2000
**************************************	formation			
COMPONENTS CHEMICAL IDENTITY/CAS#/UN#	EXPOSURE LI	MITS OTHER	TOXICITY LD50/LC50	AMOUNT %
Vinyl Stopped Dimethyl Polymer CAS #Mixture-68083-19-2	Not Established			60-70
Titanium Dioxide CAS #13463-67-7	*15 mg/m3 *10	mg/m3	LD50 rat/oral >24,000 mg/kg	20-30
Containing Hydrated Alumina; CAS #210 *PEL & TLV for titanium dioxide (total du		occur under norma	ally accepted usage	es.
Iron Oxide CI Pigment Yellow 42, CI #77492 CAS #51274-00-1	*10 mg/m3 *5 n **10 mg/m3	ng/m3	LD50 rat/oral >10,000 mg/kg	1-5
*PEL & TLV for Iron Oxide fume. Not like **PEL for Iron Oxide dust. Not likely to o				
Carbon Black CAS #1333-86-4 *PEL & TLV for Carbon Black	3.5 mg/m3 3.5 n	ng/m3		1-5
Iron Oxide CI Pigment Red 101, CI #77491 CAS #1309-37-1 *PEL & TLV for Iron Oxide fume. Not lik		normally accepte		1-5
**PEL for Iron Oxide dust. Not likely to o	ccur under normal	ly accepted usages	S.	

EPAHO110001640

S E C T I O N I I I - Physical/Chemical Characteristics **BOILING POINT: Not Applicable** SPECIFIC GRAVITY (H20=1): 1.26(calc.) FREEZING POINT: Not Applicable pH: Not Applicable VAPOR PRESSURE (mm Hg): Not Applicable ODOR THRESHOLD (ppm): Not Determined VAPOR DENSITY (AIR=1): Not Applicable COEF. WATER/OIL DIST.: Not Determined **EVAPORATION RATE:** Not Applicable SOLUBILITY IN WATER: Negligible APPEARANCE (PHYSICAL STATE) AND ODOR: Solid; Gray Odor; Slight SECTION IV - Fire and Explosion Hazard Data FLASH POINT (Method): Not Determined EXTINGUISHING MEDIA: Chemical foam, dry chemical, CO2 SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing. UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known HMIS RATING: 1 FLAMMABLE LIMITS LEL: Not Applicable UEL: Not Applicable AUTOIGNITION TEMPERATURE: Not Determined SENS. TO MECHANICAL IMPACT: Not Applicable SENS. TO STATIC DISCHARGE: Not Applicable HAZARDOUS COMBUSTION PRODUCTS: COx, SOx, Formaldehyde. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF in atmospheres which contain oxygen.

STABILITY

STABLE: X UNSTABLE:

SECTION V - Reactivity Data

CONDITIONS TO AVOID (Cond. of Reactivity): Temperatures >1310F.

INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, small amounts of sulfur containing gases, SOx, Formaldehyde. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF in atmospheres which contain oxygen.

HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

SECTION VI-Health Hazard Data

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PRIMARY ROUTES OF EXPOSURE

INHALATION: X

SKIN CONTACT: X

SKIN ABSORPTION:

INGESTION:

EYE CONTACT: X

**HEALTH HAZARDS** 

ACUTE: Ingestion may result in gastric disturbances.

CHRONIC: Chronic inflammation, lung fibrosis and lung tumors were found in rats experimentally exposed for long periods of time to excessive concentrations of carbon black. Epidemiological studies of workers exposed to carbon black have shown no significant health effects due to occupational exposure.

**CARCINOGENICITY Carbon Black** 

NTP: No

IARC: Yes, 2B(Known animal carcinogen, possible human carcinogen)

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

OECD TEST VALUES FOR:

IRRITANCY: Not Determined

REPRODUCTIVE TOXICITY: Not Determined

SENSITIZATION: Not Determined TER

MUTAGENICITY: Not Determined

TERATOGENICITY: Not Determined

SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 1\*

\*

SECTION VII-First Aid Measures

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**EMERGENCY AND FIRST AID PROCEDURES** 

INHALATION: Move to fresh air.

INGESTION: Consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a physician.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Prevent additional discharge of material. Recover spilled material and place in a suitable container for recycle or disposal.

WASTE DISPOSAL METHOD: In accordance with all Federal, State, and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry, ventilated area away from heat. Avoid contact with eyes, skin, and clothing.

RESPIRATORY PROTECTION: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

**VENTILATION** 

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses or goggles for dusty conditions.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling. Launder contaminated clothing before reuse. Observe good personal and industrial hygiene practices.

**************************************
SPECIAL SHIPPING INFORMATION: Not Available
TSCA INVENTORY STATUS: Chemical component(s) are listed on the TSCA Inventory.
SARA TITLE III:  This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:
None Known
RCRA STATUS:  The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):
None

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# Harwick Chemical Manufacturing Corporation a business unit of M.A. Hanna Company

JATERIAL SAFETY DATA SHEET

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(b) (4)	

#### MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-21466 Silver

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SECTION I - Preparation/Product Information

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MANUFACTURED FOR AND SUPPLIED BY:

**TELEPHONE NUMBER:** (330) 916-6300

Harwick Chemical Manufacturing Corp.

DATE PREPARED: October 14, 1997

2020 Front Street

PREPARER: Health, Safety, & Environment

Suite 106

PRODUCT USE: Colorant

Cuyahoga Falls, OH 44221

DATE PRINTED: June 17, 1998

\*

 COMPONENTS
 EXPOSURE LIMITS
 TOXICITY
 AMOUNT

 CHEMICAL IDENTITY/CAS#/UN#
 PEL
 TLV
 OTHER
 LD50/LC50
 %

Vinylpolydimethylsiloxane CAS #68083-19-2

Not Established 60-70

Aluminum Foil
CAS #7429-90-5

\*15 mg/m<sup>3</sup> \*10 mg/m<sup>3</sup> \*\*5 mg/m<sup>3</sup>

20-30

\*PEL & TLV for total dust.

\*\*PEL for respirable dust.

# SECTION III - Physical/Chemical Characteristics

BOILING POINT: Not Determined FREEZING POINT: Not Determined

VAPOR PRESSURE (mm Hg): Not Determined

VAPOR DENSITY (AIR=1): Not Determined SOLUBILITY IN WATER: Insoluble

APPEARANCE (PHYSICAL STATE) AND ODOR: Paste; Silver

SPECIFIC GRAVITY (H20=1): 1.21(calc.)

pH: Not Determined

ODOR THRESHOLD (ppm): Not Determined COEF. WATER/OIL DIST.: Not Determined

EVAPORATION RATE: Not Determined

Paste; Silver Odor; None

EPAHO110001650

\*

SECTION IV - Fire and Explosion Hazard Data

\*

FLASH POINT (Method): Not Determined

EXTINGUISHING MEDIA: All standard fire fighting media.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HMIS RATING: 1

FLAMMABLE LIMITS LEL: Not Determined

. UEL: Not Determined

AUTOIGNITION TEMPERATURE: Not Determined SENS. TO MECHANICAL IMPACT: Not Determined SENS. TO STATIC DISCHARGE: Not Determined

HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide and formaldehyde.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

S E C T I O N V - Reactivity Data

STABILITY

STABLE: X UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): None Known

INCOMPATIBILITY (Materials to Avoid): None Known

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, silicon dioxide and formaldehyde.

HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID: None Known

\*

SECTION VI - Health Hazard Data

PRIMARY ROUTES OF EXPOSURE

INHALATION: X

SKIN CONTACT: X

SKIN ABSORPTION:

INGESTION:

EYE CONTACT: X

HEALTH HAZARDS

ACUTE: May cause eye and respiratory tract irritation.

CHRONIC: None Known

CARCINOGENICITY

NTP: No

LARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

OECD TEST VALUES FOR:

IRRITANCY: Not Determined

REPRODUCTIVE TOXICITY: Not Determined

SENSITIZATION: Not Determined

MUTAGENICITY: Not Determined

TERATOGENICITY: Not Determined

SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 1

\*

SECTION VII - First Aid Measures

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move to fresh air.

INGESTION: Consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a

physician.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wipe, scrape, or soak up in an inert material and put in a suitable container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard.

WASTE DISPOSAL METHOD: In accordance with all Federal, State, and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid contact with eyes, skin, and clothing.

RESPIRATORY PROTECTION: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

#### VENTILATION

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety Glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash Station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling. Launder contaminated clothing before reuse.

#### 

SPECIAL SHIPPING INFORMATION: Not Available

#### TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA Inventory.

#### SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None Known

#### RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None

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## **Harwick Chemical Manufacturing Corporation**

a business unit of M.A. Hanna Company

#### MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-22686 Hilite Blue

#### SECTION I - Preparation / Product Information

MANUFACTURED FOR AND SUPPLIED BY

Harwick Chemical Manufacturing Corporation

2020 Front Street

Suite 106

Cuyahoga Falls, Ohio 44221

**TELEPHONE NO:** 

(330) 916-6300 June 17, 1998

DATE PREPARED: PREPARER:

Environmental, Health & Safety Dept.

PRODUCT USE:

Colorant

#### SECTION II - Ingredients / Identity Information

COMPON CHEMICAL IDENTITY	ENTS CAS # / UN #	EXPOSURE LIMITS PEL / TLV / OTHER	TOXICITY LD50 / LC50	AMT %
Vinylpolydimethylsiloxane	68083-19-2	Not Established	T LD307 LC30	60-70
Titanium dioxide (rutile ) and Mica blend with Chromium Hydroxide *PEL & TLV for Mica (respirable dust) **PEL & TLV for titanium dioxide	1317-80-2/ 12001-26-2/ 1308-14-1	*3 mg/m3 *3 mg/m3 **10 mg/m3**10 mg/m3	-	30-40

#### SECTION III - Physical / Chemical Characteristics

**BOILING POINT:** 

FREEZING POINT:

VAPOR PRESSURE (mm Hg): VAPOR DENSITY (AIR = 1):

SOLUBILITY IN WATER:

APPEARANCE (PHYSICAL STATE) AND ODOR:

Not Applicable SPECIFIC GRAVITY  $(H_20=1)$ :

pH:

Not Applicable

Not Applicable

Not Applicable

Insoluble

ODOR THRESHOLD (ppm): COEF. WATER / OIL DIST.:

**EVAPORATION RATE:** 

Paste;Blue Odor; Slight 1.30 (calc.)

Not Applicable Not Determined

Not Applicable

Not Applicable

#### SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method):

Not Applicable

EXTINGUISHING MEDIA:

Water, dry chemical, chemical foam, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Use self contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Emits toxic fumes under fire conditions.

HMIS RATING: 1

FLAMMABLE LIMITS LEL:

Not Applicable

UEL: Not Applicable

**AUTOIGNITION TEMPERATURE:** 

Not Applicable

SENS. TO MECHANICAL IMPACT:

Not Applicable

SENS. TO STATIC DISCHARGE:

Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide, formaldehyde

#### SECTION V - Reactivity Data

STABILITY

Stable X Unstable

CONDITIONS TO AVOID (Condition of Reactivity): None Known

INCOMPATIBILITY (Materials to Avoid): None Known

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SOx, formaldehyde

HAZARDOUS POLYMERIZATION

May Occur:

Will Not Occur:

Χ

CONDITIONS TO AVOID:

None Known

#### SECTION VI - Health Hazard Data

#### PRIMARY ROUTE OF EXPOSURE

Inhalation:

Skin Contact:

Skin Absorption:

Ingestion:

Eye Contact:

X

**HEALTH HAZARDS** 

Acute: May cause eye and skin irritation. Persistant cough, possible difficulty in breathing when inhaled.

Chronic: None Known

CARCINOGEN:

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards listed above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

WHMIS CLASSIFICATION

Not Determined

HMIS RATING: 1

#### SECTION VII - First Aid Measures

#### EMERGENCY AND FIRST AID PROCEDURES

Inhalation:

Move to fresh air.

Ingestion:

Consult a physician.

Skin Contact: Wash with soap and water.

Eye Contact:

Flush with water for 15 minutes. If irritation persists, consult a physician.

#### SECTION VIII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Pick or scoop up and place in suitable container for disposal

Waste Disposal Method:

In accordance with all Federal, State and Local regulations. Refer to Section X.

Precautions to be taken in handling and storing:

Keep away from excessive heat and open flame. Avoid contact with eyes, skin and clothing.

#### **SECTION IX - Control Measures**

Respiratory Protection: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV as necessary.

#### **VENTILATION**

Local Exhaust:

Recommended to minimize exposure.

Mechanical (General):

Recommended to minimize exposure.

PROTECTIVE GLOVES:

**Impervious** 

EYE PROTECTION:

Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES:

Wash thoroughly after handling

#### SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA Inventory.

#### SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

Titanium dioxide (rutile ) and Mica blend (chromium compounds)

30-40%

with Chromium Hydroxide

CAS # 1317-80-2/12001-26-2/1308-14-1

#### RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

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## **Harwick Chemical Manufacturing Corporation**

a business unit of M.A. Hanna Company

#### MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-22687 Hilite Russet

#### **SECTION I - Preparation / Product Information**

MANUFACTURED FOR AND SUPPLIED BY

Harwick Chemical Manufacturing Corporation

2020 Front Street

Suite 106

Cuyahoga Falls, Ohio 44221

**TELEPHONE NO:** 

DATE PREPARED:

(330) 916-6300

PREPARER:

June 17, 1998

PRODUCT USE:

Environmental, Health & Safety Dept.

Colorant

#### SECTION II - Ingredients / Identity Information

COMPONENTS CHEMICAL IDENTITY CAS # / UN	# EXPOSURE LIMITS PEL / TLV / OTHER	TOXICITY AMT LD50 / LC50 %
Vinylpolydimethylsiloxane 68083-19-2	Not Established	60-70
Mica and Iron Oxide blend with Titanium Dioxide and Chromium Hydroxide *PEL & TLV for respirable dust Mica **PEL & TLV for total dust as Fe ***PEL & TLV for total dust titanium dioxide *******PEL & TLV as Cr	*3 mg/m <sup>3</sup> *5 mg/m <sup>3</sup> **10 mg/m <sup>3</sup> **5 mg/m <sup>3</sup> ***10 mg/m <sup>3</sup> ***10 mg/m <sup>3</sup> ****0.1 mg/m <sup>3</sup> ****0.1 mg/m <sup>3</sup>	30-40

#### SECTION III - Physical / Chemical Characteristics

**BOILING POINT:** 

FREEZING POINT:

VAPOR PRESSURE (mm Hg): VAPOR DENSITY (AIR=1): SOLUBILITY IN WATER:

APPEARANCE (PHYSICAL STATE) AND ODOR:

Not Applicable Not Applicable

Not Applicable

Not Applicable

Insoluble

SPECIFIC GRAVITY  $(H_20=1)$ :

ODOR THRESHOLD (ppm):

COEF. WATER / OIL DIST.:

**EVAPORATION RATE:** 

Paste; Russet Odor; Slight

1.31(calc.)

Not Applicable Not Determined

Not Applicable

Not Applicable

#### SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method):

Not Applicable

**EXTINGUISHING MEDIA:** 

Water, dry chemical, chemical foam, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Wear self contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HMIS RATING: 1

FLAMMABLE LIMITS' LEL:

Not Applicable

UEL: Not Applicable

**AUTOIGNITION TEMPERATURE:** 

Not Applicable

SENS. TO MECHANICAL IMPACT:

Not Applicable

SENS. TO STATIC DISCHARGE:

Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide, formaldehyde

#### SECTION V - Reactivity Data

**STABILITY** 

Stable X

Unstable

CONDITIONS TO AVOID (Condition of Reactivity): None Known

INCOMPATIBILITY (Materials to Avoid): None Known

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SOx, formaldehyde

HAZARDOUS POLYMERIZATION

May Occur:

Will Not Occur:

X

CONDITIONS TO AVOID:

None Known

### SECTION VI - Health Hazard Data

#### PRIMARY ROUTE OF EXPOSURE

Inhalation:

Skin Contact:

Skin Absorption:

Ingestion:

Eye Contact: X

**HEALTH HAZARDS** 

Acute: May cause eye and skin irritation. Persistant cough, possible difficulty in breathing if inhaled.

Chronic: None Known

CARCINOGEN:

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards listed above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

WHMIS CLASSIFICATION

Not Determined

HMIS RATING: 1

### SECTION VII - First Aid Measures

#### **EMERGENCY AND FIRST AID PROCEDURES**

Inhalation:

Move to fresh air.

Ingestion:

Consult a physician.

Skin Contact:

Wash with soap and water.

Eye Contact:

Flush with water for 15 minutes. If irritation persists, consult a physician.

### SECTION VIII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Pick or scoop up and place in suitable container for disposal

Waste Disposal Method:

In accordance with all Federal, State and Local regulations. Refer to Section X.

Precautions to be taken in handling and storing:

Keep away from excessive heat and open flame. Avoid contact with eyes, skin and clothing.

### **SECTION IX - Control Measures**

Respiratory Protection: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV as necessary.

VENTILATION

Local Exhaust:

Recommended to minimize exposure.

Mechanical (General):

Recommended to minimize exposure.

PROTECTIVE GLOVES:

**Impervious** 

EYE PROTECTION:

Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Evewash station

WORK/HYGIENIC PRACTICES:

Wash thoroughly after handling

### SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA Inventory.

#### SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

Chromium Hydroxide (chromium compounds)

### RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

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### MATERIAL SAFETY DATA SEERT

The server the specific

IDENTITY: Stan-Tone® ECC-22699 Glo Yellow

S 2 C T I O N I - Preparation/Product Information \*

MANUFACTURED FOR AND SUPPLIED BY:

TRIEPRONE NUMBER: (330) 916-6300

Marwick Chemical Manufacturing Corp.

DATE PREPARED: October 27, 1997

2020 Front Street

Suite 106

PREPARER: Health, Safety, & Environment

Cuyahoga Falls, OH 44221

PRODUCT USE: Colorant

DATE PRINTED: August 27, 1998

SECTION II - Ingredients/Identity Information 

COMPONENTS EXPOSURE LIGHTS TOXICITY AMOUNT

CHEMICAL IDENTITY/CAS#/UN# PRL TLV OTHER ID50/LC50

Zinc Sulfide, Copper Doped and Dyed Benzoguanamine-Formaldehyde Regin

\*15 mg/m<sup>3</sup> \*10 mg/m<sup>3</sup>

LDS0 rat/oral 60-70

>16,000 mg/kg

CAS #68611-70-1/26160-89-4 \*PEL & TLV for total nuisance dust.

Vinylpolydimethylsiloxane CAS #68083-19-2

Not Established

30-40

S E C T I O N I I I - Physical/Chemical Characteristics

BOILING POINT: Not Determined

SPECIFIC GRAVITY (H\_0=1): 1.95(calc.)

FREEZING POINT: Not Determined

pH: Not Determined

VAPOR PRESSURE (mm Hg): Not Determined ODOR THRESHOLD (ppm): Not Determined

VAPOR DEMSITY (AIR-1): Not Determined CORF. WATER/OIL DIST.: Not Determined

SOLUBILITY IN WATER: Insoluble

EVAPORATION RATE: Not Determined

APPERRANCE (PHYSICAL STATE) AND ODOR: Paste; Yellow

Odor; None

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

SECTION 1V - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Determined

EXTINGUISHING MEDIA: All standard fire fighting media.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective •

UNUSUAL FIRE AND EXPLOSION HARARDS: None Known

HMIS PATING: 1

FLAMMARLE LIMITS LEL: Not Determined

UKL: Not Determined

AUTOIGNITION TEMPERATURE: Not Determined SKNS. TO MECEANICAL INDACT: Not Determined SENS. TO STATIC DISCEARGE: Not Determined

EAZARDOUS COMBUSTION PRODUCTS: COx, SOx, SiO2, hydrogen sulfide gas, ZnO and

formaldehyde.

S B C T I O N V - Reactivity Data 

STABILITY

STABLE: X UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): Heat can release toxic fumes of hydrogen sulfide gas on contact with moisture or acid.

INCOMPATIBILITY (Materials to Avoid): Acid

HAZARDOUS DECOMPOSITION OR EXPRODUCTS: COx, SiO, hydrogen sulfide gas, ZnO, SOx, and formaldehyde.

HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID: None Known

SECTION VI- Realth Barard Data

PRIMARY ROUTES OF EXPOSURE

INEALATION: X
SKIN ABSORPTION:

SKIN CONTACT: X

ingestion:

RYE CONTACT: X

BEALTH HAZAROS

ACUTE: May cause irritation to eyes and skin. Zinc sulfide, copper doped and dyed benzoguanamine-formaldehyde resin may cause irritation to the mucous membranes.

CHRONIC: None Known

CARCINOGRATICATY

MTP: No

IARC: No

OSHA: No .

SIGNS AND SYMPTOMS OF EXPOSURE: See health bazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Zinc sulfide, copper doped and dyed benzoguanamine-formaldehyde resin may cause respiratory problems

ORCD TEST VALUES FOR:

IRRITANCY: Not Determined

REPRODUCTIVE TOXICITY: Not Determined

TERATOGENICITY: Not Determined

SENSITIZATION: Not Determined

MUTAGENICITY: Not Determined

SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 1

SECTION VII - First Aid Neasures

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move to fresh air.

INCESTION: consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a

physician.

SRCTION VIII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wipe, scrape, or soak up in an inert material and put in a suitable container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard.

WASTE DISPOSAL METEOD: In accordance with all Federal, State, and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid contact with eyes, skin, and clothing.

S E C T I O N I X - Control Measures

RESPIRATORY PROTECTION: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

#### YENTILATION

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety Glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash Station

WORK/HYGIENIC FRACTICES: Wash thoroughly after handling. Launder contaminated clothing before reuse.

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	SECTION			•
******	****	******	**************	*****

SPECIAL SHIPPING IMPORMATION: Not Available

#### TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA Inventory.

### SARA TITLE III: .

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1985 and of 40 CFR 372:

None Known

#### RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None

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# Harwick Chemical Manufacturing Corporation

a business unit of M.A. Hanna Company

## IATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-22700 Glo-Red

### SECTION I - Preparation / Product Information

MANUFACTURED FOR AND SUPPLIED BY

Harwick Chemical Manufacturing Corporation

2020 Front Street

Suite 106

Cuyahoga Falls, Ohio 44221

TELEPHONE NO:

DATE PREPARED:

PREPARER: PRODUCT USE: August 27, 1998 Environmental, Health & Safety Dept.

Colorant

(330) 916-6300

### SECTION II - Ingredients / Identity Information

COMPONENTS		EXPOSURE LIMITS	TOXICITY	AMT
CHEMICAL IDENTITY	CAS # / UN #	PEL / TLV / OTHER	LD50 / LC50	%
Vinylpolydimethylslloxane	68083-19-2	Not Established		30-40
Silane, dimethyldichloro, reaction product with silica	68611 <del>-44-</del> 9	Not Established	LD50 rat/ oral > 5,000 mg/kg	.1-1
Zinc Sulfide, Copper Doped and Dyed Benzoguanamine- Formaldehyde Resin *Total dust	68611-70-1/ 26160-89-4	*15 mg/m³*10 mg/m³	LD50 rat/oral > 16,000 mg/kg	60-70

### SECTION III - Physical / Chemical Characteristics

**BOILING POINT:** 

FREEZING POINT:

VAPOR PRESSURE (mm Hg):

VAPOR DENSITY (AIR=1):

Not Applicable

Not Applicable

Insoluble

Not Applicable Not Applicable

SPECIFIC GRAVITY (H<sub>2</sub>0=1):

ODOR THRESHOLD (ppm): COEF. WATER / OIL DIST.:

1.95 (calc.)

Not Applicable

Not Determined

Not Applicable **EVAPORATION RATE:** Not Applicable

SOLUBILITY IN WATER: APPEARANCE (PHYSICAL STATE) AND ODOR:

Paste; Red

Odor; Slight

### SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method):

Not Applicable

EXTINGUISHING MEDIA:

Water, dry chemical, chemical foam, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Use self contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

IDENTITY: Stan-Tone® HCC-22700 Glo-Red

LAMMABLE LIMITS LEL:

Not Applicable

UEL:

Not Applicable

**AUTOIGNITION TEMPERATURE:** 

Not Applicable

SENS. TO MECHANICAL IMPACT:

Not Applicable

SENS. TO STATIC DISCHARGE:

Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide, formaldehyde, Hydrogen suifide gas, ZnO, SO2

### SECTION V - Reactivity Data

STABILITY

Stable

X

Unstable

CONDITIONS TO AVOID (Condition of Reactivity): Heat can release toxic fumes of hydrogen sulfide gas on contact with moisture or acid.

INCOMPATIBILITY (Materials to Avoid): Acids

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SOx, formaldehyde, Hydrogen sulfide gas, ZnO, SO2

HAZARDOUS POLYMERIZATION

May Occur:

Will Not Occur:

X

CONDITIONS TO AVOID:

None Known

HMIS RATING: 0

### SECTION VI - Health Hazard Data

### PRIMARY ROUTE OF EXPOSURE

Inhalation:

Skin Contact: X

Skin Absorption:

Ingestion:

Eye Contact: X

**HEALTH HAZARDS** 

Acute: May cause eye and skin irritation.

Chronic: None Known

**CARCINOGEN:** 

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards listed above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

WHMIS CLASSIFICATION

Not Determined

Page - 3 IDENTITY: Stan-Tone® HCC-22700 Glo-Red

### SECTION VII - First Aid Measures

### **EMERGENCY AND FIRST AID PROCEDURES**

Inhalation:

Move to fresh air.

Ingestion:

Consult a physician.

Skin Contact: Wash with soap and water.

Eye Contact:

Flush with water for 15 minutes. If irritation persists, consult a physician.

## SECTION VIII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Pick or scoop up and place in suitable container for disposal

Waste Disposal Method:

In accordance with all Federal, State and Local regulations. Refer to Section X.

Precautions to be taken in handling and storing:

Keep away from excessive heat and open flame. Avoid contact with eyes, skin and clothing.

### SECTION IX - Control Measures

Respiratory Protection: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV as necessary.

#### VENTILATION

Local Exhaust:

Recommended to minimize exposure.

Mechanical (General):

Recommended to minimize exposure.

PROTECTIVE GLOVES:

**Impervious** 

EYE PROTECTION:

Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

**WORK/HYGIENIC PRACTICES:** 

Wash thoroughly after handling

IDENTITY: Stan-Tone® HCC-22700 Glo-Red

### SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA Inventory.

SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

Zinc Sulfide, Copper Doped and (Zinc and Copper compounds)

60-70%

Dyed Benzoguanamine-Formaldehyde Resin contains

#### RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

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# Harwick Chemical Manufacturing Corporation

a business unit of M.A. Hanna Company

### JATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-22701 Glo-Orange

### SECTION I - Preparation / Product Information

MANUFACTURED FOR AND SUPPLIED BY

Harwick Chemical Manufacturing Corporation

2020 Front Street

Suite 106

Cuyahoga Falls, Ohio 44221

TELEPHONE NO:

(330) 916-6300

DATE PREPARED:

August 27, 1998

PREPARER:

Environmental, Health & Safety Dept.

PRODUCT USE:

Colorant

### SECTION II - Ingredients / Identity Information

COMPONENTS		EXPOSURE LIMITS	TOXICITY	AMT
CHEMICAL IDENTITY	CAS # / UN #	PEL / TLV / OTHER	LD50 / LC50	
Vinylpolydimethylsiloxane	68083-19-2	Not Established		30-40
Silane, dimethyldichloro, reaction product with silica	68611-44-9	Not Established	LD50 rat/ oral > 5,000 mg/kg	.1-1
Zinc Sulfide, Copper Manganese doped with Benzoguanamine Resin *Total dust	68585-91-1/ 26160-89-4	*15 mg/m <sup>3</sup> *10 mg/m <sup>3</sup>	LD50 rat/oral > 16,000 mg/kg	60-70

#### SECTION III - Physical / Chemical Characteristics

**BOILING POINT:** 

Not Applicable

SPECIFIC GRAVITY  $(H_2O=1)$ :

1.63 (calc.)

FREEZING POINT:

Not Applicable

pH:

VAPOR PRESSURE (mm Hg):

Not Applicable

VAPOR DENSITY (AIR=1):

Not Applicable

ODOR THRESHOLD (ppm): COEF. WATER / OIL DIST.: Not Determined

SOLUBILITY IN WATER:

Not Applicable

Not Applicable

Insoluble

EVAPORATION RATE:

Not Applicable

APPEARANCE (PHYSICAL STATE) AND ODOR:

Paste; Orange

Odor; Slight

# SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method):

Not Applicable

**EXTINGUISHING MEDIA:** 

Water, dry chemical, chemical foam, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Use self contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

IDENTITY: Stan-Tone® HCC-22701 Glo-Orange

LAMMABLE LIMITS LEL: Not Applicable

UEL: Not Applicable

AUTOIGNITION TEMPERATURE:

Not Applicable

SENS. TO MECHANICAL IMPACT:

Not Applicable

SENS. TO STATIC DISCHARGE:

Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide, formaldehyde, Hydrogen sulfide gas, ZnO, SO2

### SECTION V - Reactivity Data

STABILITY

Stable

X

Unstable

CONDITIONS TO AVOID (Condition of Reactivity): Heat can release toxic fumes of hydrogen sulfide gas on contact with moisture or acid.

INCOMPATIBILITY (Materials to Avoid): Acids

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SOx, formaldehyde, Hydrogen sulfide gas, ZnO, SO2

HAZARDOUS POLYMERIZATION

May Occur:

Will Not Occur:

Х

**LONDITIONS TO AVOID:** 

None Known

HMIS RATING: 0

### SECTION VI - Health Hazard Data

#### PRIMARY ROUTE OF EXPOSURE

Inhalation:

Skin Contact:

Skin Absorption:

Ingestion:

Eye Contact: X

**HEALTH HAZARDS** 

Acute: May cause eye and skin irritation.

Chronic: None Known

CARCINOGEN:

NTP: No

LARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards listed above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

.VHMIS CLASSIFICATION

Not Determined

IDENTITY: Scan-Tone® HCC-22701 Glo-Orange

### SECTION VII - First Aid Measures

## EMERGENCY AND FIRST AID PROCEDURES

Inhalation:

Move to fresh air.

Ingestion:

Consult a physician.

Skin Contact:

Wash with soap and water.

Eve Contact:

Flush with water for 15 minutes. If irritation persists, consult a physician.

### SECTION VIII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled: Pick or scoop up and place in suitable container for disposal

Waste Disposal Method:

In accordance with all Federal, State and Local regulations. Refer to Section X.

Precautions to be taken in handling and storing:

Keep away from excessive heat and open flame. Avoid contact with eyes, skin and clothing.

#### SECTION IX - Control Measures

**Lespiratory Protection: (Specify Type)** 

A NIOSH/MSHA approved respirator above PEL or TLV as necessary.

#### VENTILATION

Local Exhaust:

Recommended to minimize exposure.

Mechanical (General):

Recommended to minimize exposure.

PROTECTIVE GLOVES:

Impervious

EYE PROTECTION:

Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES:

Wash thoroughly after handling

IDENTITY: Stan-Tone® HCC-22701 Gio-Orange

#### SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA Inventory.

#### SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

Zinc Sulfide, Copper Manganese doped (Zinc, Manganese and Copper compounds)

60-70%

with Benzoguanamine Resin

#### RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

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# Harwick Chemical Manufacturing Corporation

a business unit of M.A. Hanna Company

## 'ATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-22702 Glo-Green

### SECTION I - Preparation / Product Information

MANUFACTURED FOR AND SUPPLIED BY

Harwick Chemical Manufacturing Corporation

2020 Front Street

Suite 106

Cuyahoga Falls, Ohio 44221

TELEPHONE NO:

DATE PREPARED:

(330) 916-6300 August 27, 1998

PREPARER: PRODUCT USE: Environmental, Health & Safety Dept.

Colorant

### SECTION II - Ingredients / Identity Information

COMPONENTS CHEMICAL IDENTITY CAS # / UN #		EXPOSURE LIMITS PEL / TLV / OTHER	TOXICITY LD50 / LC50	AMT %	
Vinyipolydimethylsiloxane	68083-19-2	Not Established		30-40	
Silane, dimethyldichloro, 68611-44-9 reaction product with silica		Not Established	LD50 rat/ oral >5,000 mg/kg	.1-1	
Zinc Sulfide Copper Chloride-Doped *total dust	68611-70-1	*15 mg/m <sup>3</sup> *10 mg/m <sup>3</sup>	LD50 rat/oral > 16,000 mg/kg	60-70	

### SECTION III - Physical / Chemical Characteristics

**BOILING POINT:** 

FREEZING POINT:

VAPOR PRESSURE (mm Hg):

**VAPOR DENSITY (AIR=1):** 

SOLUBILITY IN WATER: APPEARANCE (PHYSICAL STATE) AND ODOR:

Not Applicable

Not Applicable

Not Applicable

Not Applicable

Insoluble

ODOR THRESHOLD (ppm): COEF. WATER / OIL DIST.:

SPECIFIC GRAVITY (H<sub>2</sub>0=1):

**EVAPORATION RATE:** 

Paste; Green Odor; Slight 1.95 (calc.)

Not Applicable

Not Determined Not Applicable

Not Applicable

# SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method):

Not Applicable

EXTINGUISHING MEDIA:

Water, dry chemical, chemical foam, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Use self contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Heat can release toxic fumes of Hydrogen sulfide gas on contact with roisture or acid.

IDENTITY: Stan-Tone® HCC-22702 Glo-Green

FLAMMABLE LIMITS LEL:

Not Applicable

UEL:

Not Applicable

**AUTOIGNITION TEMPERATURE:** 

Not Applicable

SENS. TO MECHANICAL IMPACT:

Not Applicable

SENS. TO STATIC DISCHARGE:

Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, silicon dioxide, formaldehyde, Hydrogen sulfide gas, ZnO. SO2

### SECTION V - Reactivity Data

STABILITY

Stable

X

Unstable

CONDITIONS TO AVOID (Condition of Reactivity): Heat can release toxic furnes of hydrogen sulfide gas on contact with moisture or acid.

INCOMPATIBILITY (Materials to Avoid): Acids

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SOx, formaldehyde, Hydrogen sulfide gas, ZnO, SO2

HAZARDOUS POLYMERIZATION

May Occur:

Will Not Occur:

X

CONDITIONS TO AVOID:

None Known

HMIS RATING: 0

#### SECTION VI - Health Hazard Data

#### PRIMARY ROUTE OF EXPOSURE

Inhalation:

Skin Contact:

Skin Absorption:

Ingestion:

Eye Contact: X

**HEALTH HAZARDS** 

Acute: May cause eye and skin irritation.

Chronic: None Known

CARCINOGEN:

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards listed above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

WHMIS CLASSIFICATION

Not Determined

IDENTITY: Stan-Tone® HCC-22702 Gio-Green

### **SECTION VII - First Aid Measures**

#### **EMERGENCY AND FIRST AID PROCEDURES**

Inhalation:

Move to fresh air.

Ingestion:

Consult a physician.

Skin Contact:

Wash with soap and water.

Eve Contact:

Flush with water for 15 minutes. If irritation persists, consult a physician.

### SECTION VIII - Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled:

Pick or scoop up and place in suitable container for disposal

Waste Disposal Method:

In accordance with all Federal, State and Local regulations. Refer to Section X.

Precautions to be taken in handling and storing:

Keep away from excessive heat and open flame. Avoid contact with eyes, skin and clothing.

### **SECTION IX - Control Measures**

espiratory Protection: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV as necessary.

### **VENTILATION**

Local Exhaust:

**WORK/HYGIENIC PRACTICES:** 

Recommended to minimize exposure.

Mechanical (General):

Recommended to minimize exposure.

PROTECTIVE GLOVES:

**Impervious** 

EYE PROTECTION:

Safety glasses

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

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Wash thoroughly after handling

IDENTITY: Stan-Tone® HCC-22702 Glo-Green

#### SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA inventory.

#### SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

Zinc Sulfide Copper Chloride-Doped (Zinc Compound)

60-70%

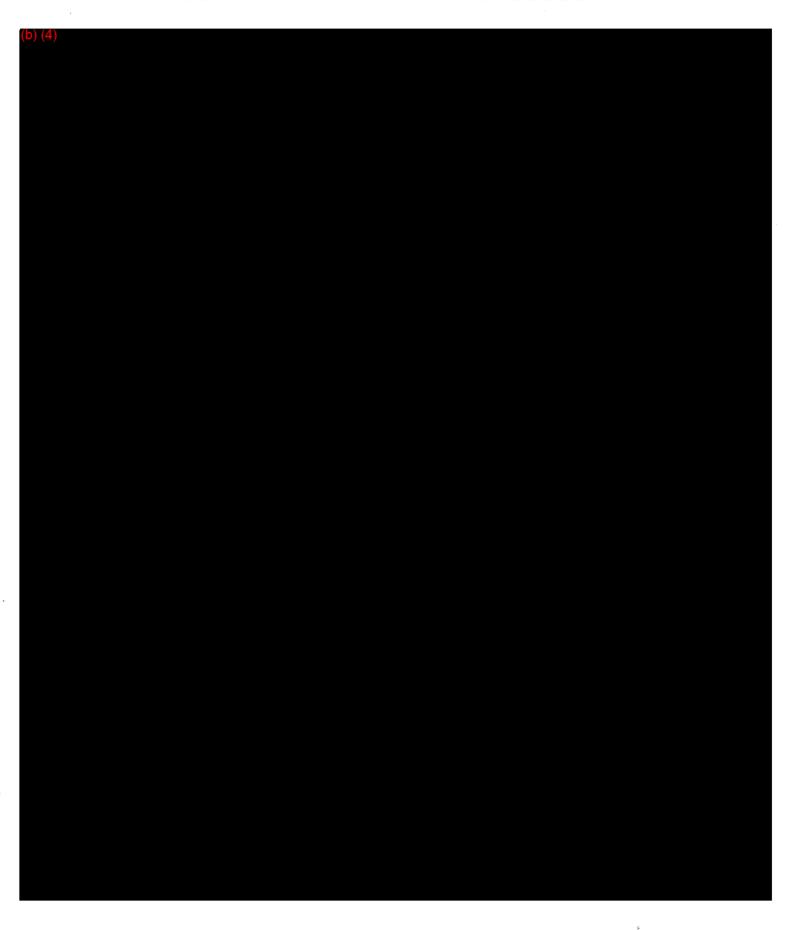
### **RCRA STATUS:**

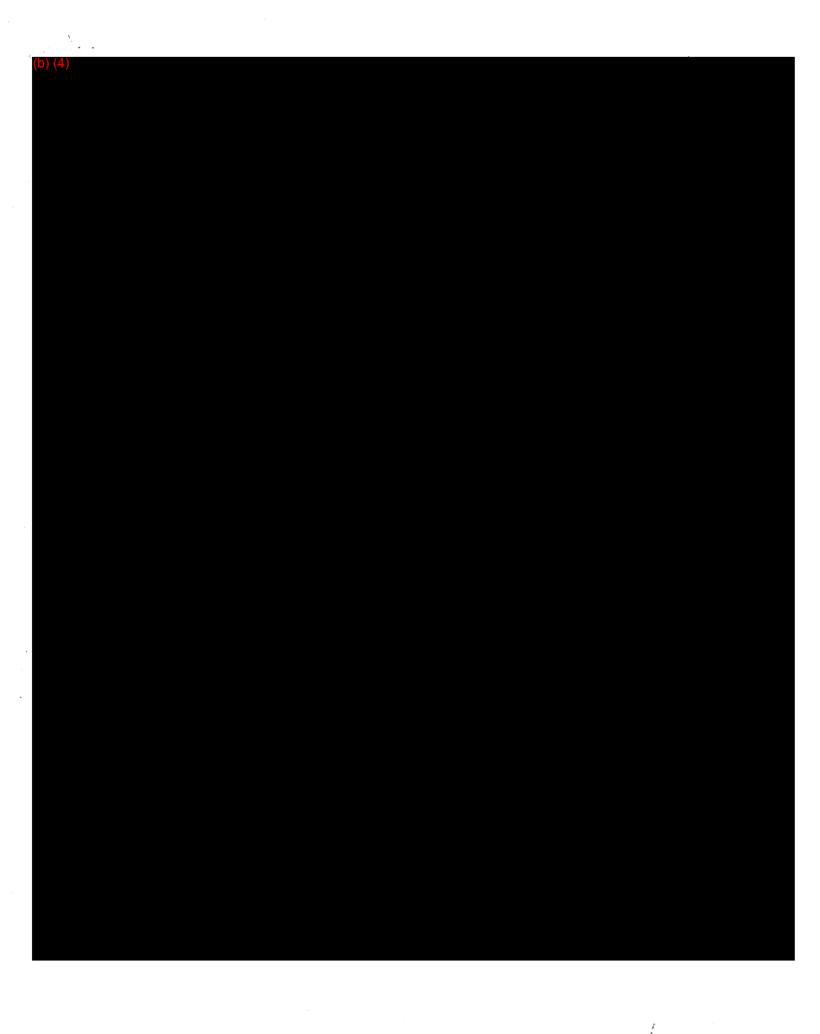
The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

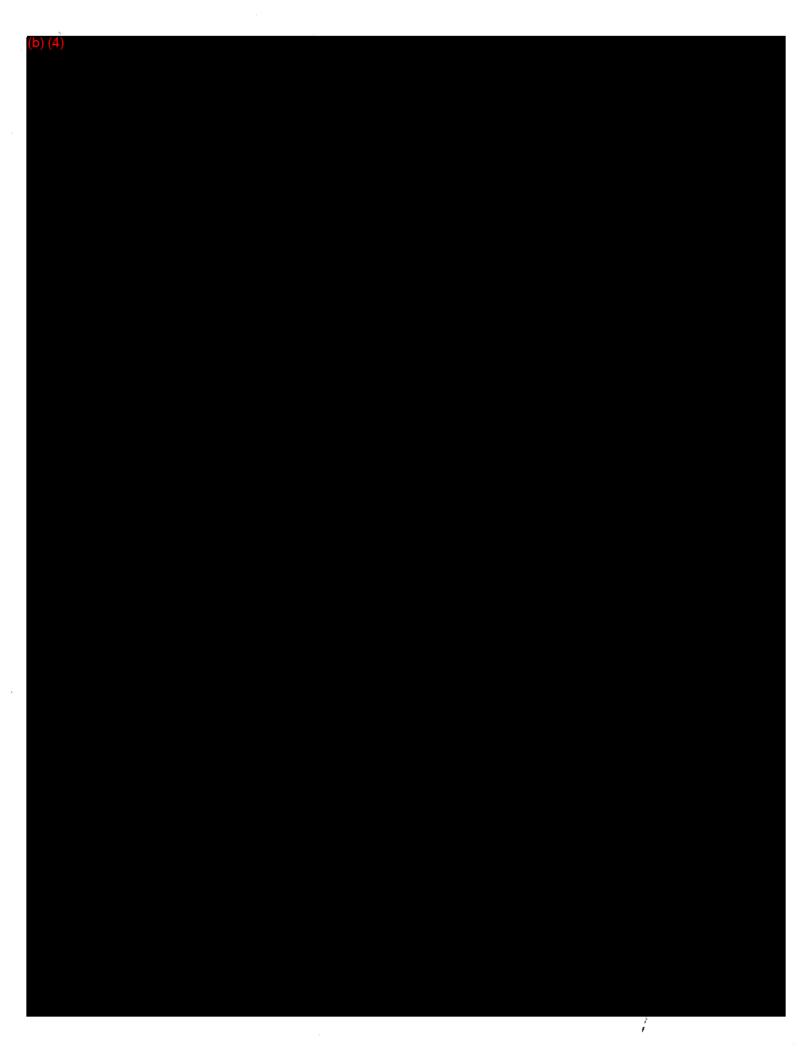
None Known

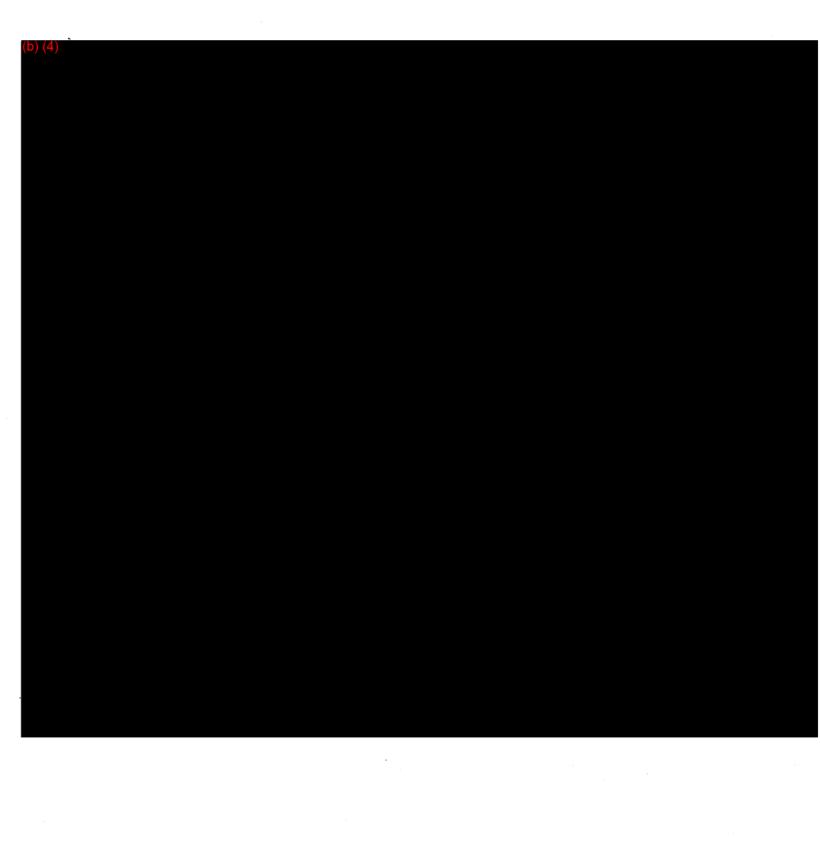
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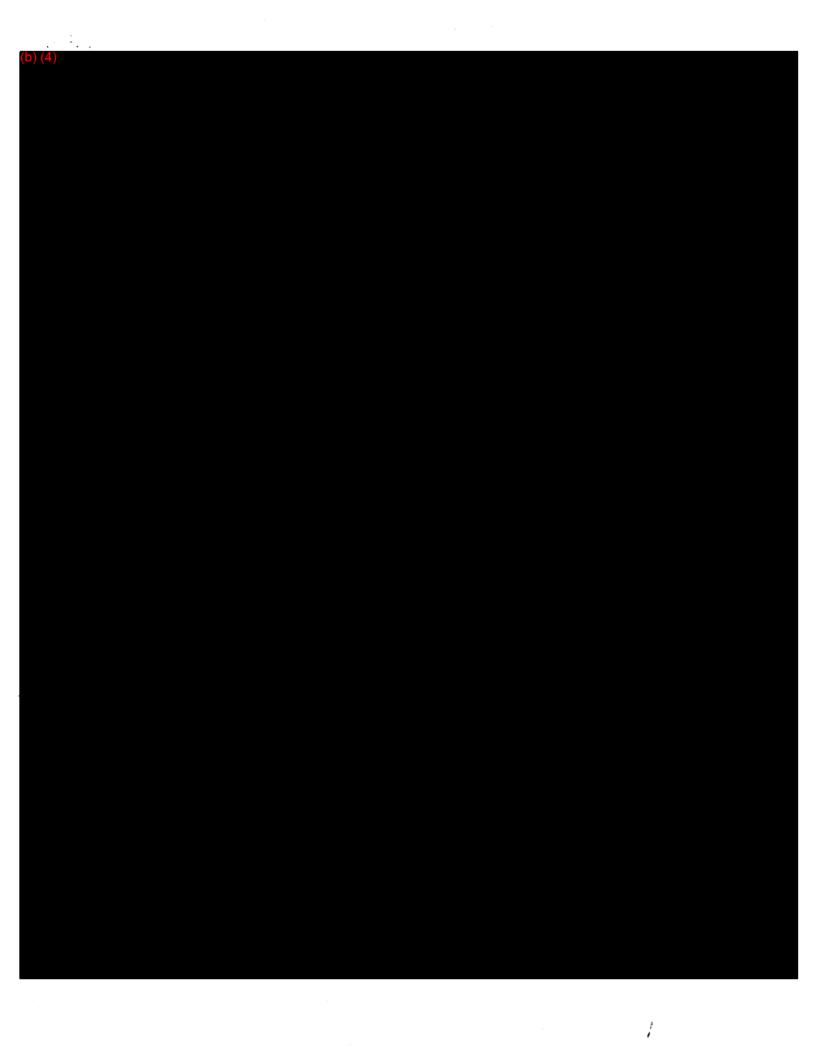
### MATERIAL SAFETY DATA SHEET











#### MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-21415 Black

SECTION I - Preparation/Product Information

\*

MANUFACTURED FOR AND SUPPLIED BY:

TELEPHONE NO.: (330) 916-6300

Harwick Chemical Manufacturing Corp.

DATE PREPARED: September 5, 1996

2020 Front Street

Suite 106

PREPARER: Health, Safety, & Environment

Cuyahoga Falls, OH 44221

PRODUCT USE: Colorant

DATE PRINTED: September 7, 2000

\*

SECTION II - Ingredients/Identity Information

\*

**COMPONENTS** 

EXPOSURE LIMITS

TOXICITY

**AMOUNT** %

CHEMICAL IDENTITY/CAS#/UN#

PEL TLV OTHER

LD50/LC50

Vinyl Stopped Dimethyl Polymer CAS #Mixture-68083-19-2

Not Established

90-100

Carbon Black CAS #1333-86-4 3.5 mg/m3 3.5 mg/m3

5-10

\*

SECTION III - Physical/Chemical Characteristics

**BOILING POINT: Not Applicable** FREEZING POINT: Not Applicable SPECIFIC GRAVITY (H20=1): 1.00(calc.)

pH: Not Applicable

VAPOR PRESSURE (mm Hg): Not Applicable VAPOR DENSITY (AIR=1): Not Applicable

ODOR THRESHOLD (ppm): Not Determined COEF. WATER/OIL DIST.: Not Determined **EVAPORATION RATE:** Not Applicable

SOLUBILITY IN WATER: Negligible

APPEARANCE (PHYSICAL STATE) AND ODOR: Solid; Black

Odor; Slight

\*

 $S \; E \; C \; T \; I \; O \; N \quad I \; V$  - Fire and Explosion Hazard Data

\*

FLASH POINT (Method): Not Determined

EXTINGUISHING MEDIA: Foam, dry chemical or water spray

SPECIAL FIRE FIGHTING PROCEDURES: None Known

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HMIS RATING: 1

FLAMMABLE LIMITS LEL: Not Applicable

UEL: Not Applicable

AUTOIGNITION TEMPERATURE: Not Determined SENS. TO MECHANICAL IMPACT: Not Applicable SENS. TO STATIC DISCHARGE: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, Silicon Dioxide, small amounts of sulfur containing gases. Formaldehyde-this product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF and above in atmosphere which contains any son

and above in atmospheres which contains oxygen.

**STABILITY** 

STABLE: X UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): None Known

INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, small amounts of sulfur containing gases. SOx, formaldehyde-this product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF and above in atmospheres which contains oxygen.

HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID: None Known

PRIMARY ROUTES OF EXPOSURE

INHALATION:

SKIN CONTACT: X

SKIN ABSORPTION:

INGESTION:

EYE CONTACT: X

**HEALTH HAZARDS** 

ACUTE: May cause mild skin and eye irritation.

CHRONIC: Chronic inflammation, lung fibrosis and lung tumors were found in rats experimentally exposed for long periods of time to excessive concentrations of carbon black. Epidemiological studies of workers exposed to carbon black have shown no significant health effects due to occupational exposure.

CARCINOGENICITY Carbon Black

NTP: No IARC: Yes, 2B(Known animal carcinogen, possible human carcinogen)

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

OECD TEST VALUES FOR:

IRRITANCY: Not Determined

REPRODUCTIVE TOXICITY: Not Determined

SENSITIZATION: Not Determined

TERATOGENICITY: Not Determined

MUTAGENICITY: Not Determined

SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 1\*

\*

SECTION VII-First Aid Measures

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move to fresh air.

INGESTION: Consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a physician.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Prevent additional discharge of material. Recover spilled material and place in a suitable container for recycle or disposal.

WASTE DISPOSAL METHOD: In accordance with all Federal, State, and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry, ventilated area away from heat. Avoid contact with eyes, skin, and clothing.

RESPIRATORY PROTECTION: (Specify Type)
A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

#### **VENTILATION**

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses or goggles for dusty conditions.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling. Launder contaminated clothing before reuse. Observe good personal and industrial hygiene practices.

***********************
SECTION X - Additional Information ************************************
SPECIAL SHIPPING INFORMATION: Not Available
TSCA INVENTORY STATUS: Chemical component(s) are listed on the TSCA Inventory.
SARA TITLE III:  This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:
None Known
RCRA STATUS: The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):
None

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#### MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-21416 White \* SECTION I - Preparation/Product Information \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* MANUFACTURED FOR AND SUPPLIED BY: TELEPHONE NO.: (330) 916-6300 Harwick Chemical Manufacturing Corp. DATE PREPARED: September 5, 1996 2020 Front Street Suite 106 PREPARER: Health, Safety, & Environment Cuyahoga Falls, OH 44221 PRODUCT USE: Colorant DATE PRINTED: September 7, 2000 \* SECTION II-Ingredients/Identity Information **COMPONENTS** EXPOSURE LIMITS TOXICITY **AMOUNT** CHEMICAL IDENTITY/CAS#/UN# PEL TLV OTHER LD50/LC50 % Vinyl Stopped Dimethyl Polymer Not Established 50-60 CAS #Mixture-68083-19-2 Titanium Dioxide \*15 mg/m3 \*10 mg/m3 LD50 rat/oral 40-50 >24,000 mg/kg CAS #13463-67-7 Containing Hydrated alumina; CAS #21645-51-2 \*PEL & TLV for titanium dioxide (total dust). Not likely to occur under normally accepted usages. SECTION III - Physical/Chemical Characteristics \* SPECIFIC GRAVITY (H20=1): 1.44(calc.) **BOILING POINT: Not Applicable** FREEZING POINT: Not Applicable pH: Not Applicable ODOR THRESHOLD (ppm): Not Determined

VAPOR PRESSURE (mm Hg): Not Applicable VAPOR DENSITY (AIR=1): Not Applicable

SOLUBILITY IN WATER: Negligible APPEARANCE (PHYSICAL STATE) AND ODOR: Solid; White

Odor; Slight

COEF. WATER/OIL DIST.: Not Determined

**EVAPORATION RATE:** Not Applicable

S E C T I O N I V - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Determined

EXTINGUISHING MEDIA: Foam, dry chemical or water spray

SPECIAL FIRE FIGHTING PROCEDURES: None Known

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HMIS RATING: 1

FLAMMABLE LIMITS LEL: Not Applicable

UEL: Not Applicable

AUTOIGNITION TEMPERATURE: Not Determined SENS. TO MECHANICAL IMPACT: Not Applicable SENS. TO STATIC DISCHARGE: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, small amounts of sulfur containing gases. Silicon Dioxide, formaldehyde-this product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF and above in atmospheres which contains oxygen.

\*

SECTION V-Reactivity Data

**STABILITY** 

STABLE: X UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): None Known

INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, small amounts of sulfur containing gases. SOx, formaldehyde-this product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF and above in atmospheres which contains oxygen.

HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID: None Known

\*

SECTION VI - Health Hazard Data

\*

PRIMARY ROUTES OF EXPOSURE

INHALATION:

SKIN CONTACT: X

SKIN ABSORPTION:

INGESTION:

EYE CONTACT: X

**HEALTH HAZARDS** 

ACUTE: May cause mild skin and eye irritation.

CHRONIC: None Known

**CARCINOGENICITY** 

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

OECD TEST VALUES FOR:

IRRITANCY: Not Determined

REPRODUCTIVE TOXICITY: Not Determined

SENSITIZATION: Not Determined

MUTAGENICITY: Not Determined

TERATOGENICITY: Not Determined

SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 1

\*

SECTION VII-First Aid Measures

\*

**EMERGENCY AND FIRST AID PROCEDURES** 

INHALATION: Move to fresh air.

INGESTION: Consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a physician.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Prevent additional discharge of material. Recover spilled material and place in a suitable container for recycle or disposal.

WASTE DISPOSAL METHOD: In accordance with all Federal, State, and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry, ventilated area away from heat. Avoid contact with eyes, skin, and clothing.

RESPIRATORY PROTECTION: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

**VENTILATION** 

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses or goggles for dusty conditions.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling. Launder contaminated clothing before reuse. Observe good personal and industrial hygiene practices.

*************************
SECTION X - Additional Information ************************************
SPECIAL SHIPPING INFORMATION: Not Available
TSCA INVENTORY STATUS: Chemical component(s) are listed on the TSCA Inventory.
SARA TITLE III:  This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:
None Known
RCRA STATUS: The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):
None

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#### MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-21431 Red

\*

S E C T I O N I - Preparation/Product Information 

MANUFACTURED FOR AND SUPPLIED BY:

Harwick Chemical Manufacturing Corp.

2020 Front Street

Suite 106

Cuyahoga Falls, 'OH 44221

DATE PREPARED: June 17, 1998

TELEPHONE NUMBER: (330) 916-6300

PREPARER: Health, Safety, & Environment

PRODUCT USE: Colorant

DATE PRINTED: June 17, 1998

\*

### S E C T I O N I I - Ingredients/Identity Information \*

COMPONENTS CHEMICAL IDENTITY/CAS#/UN#	EXPOSURE PEL	LIMITS TLV	OTHER	TOXICITY LD50/LC50	AMOUNT %
Vinyl Stopped Dimethyl Polymer CAS #Mixture-68083-19-2	Not Esta	blished			70-80
Quinacridone CI Pigment Violet 19, CI #73900 CAS #1047-16-1	Not Estab	olished			10-20
Iron Oxide Magnetite CI Pigment Black 11, CI #77499 CAS #12227-89-3	Not Estab	olished		LD50 rat/oral >10,000 mg/kg	5-10
Titanium Dioxide CI Pigment White #6, CI #77891 CAS #13463-67-7 Containing Hydrated alumina; CAS *PEL & TLV for titanium dioxide		-2	3	LD50 rat/oral >25 g/kg	1-5
Iron Oxide CI Pigment Yellow 42, CI #77492 CAS #51274-00-1 *PEL & TLV for Iron Oxide fume. **PEL for Iron Oxide dust. Not 1	**10 mg/m	to occur	· under normal		
Iron Oxide CI Pigment Yellow 110 CAS #5590-18-1	Not Estab		-	LD50 rat/oral >5,000 mg/kg LC50 rat/inhl >1,000 mg/kg (	

>1,000 mg/kg (4nrs)

#### S E C T I O N I I I - Physical/Chemical Characteristics

\*

BOILING POINT: Not Applicable

SPECIFIC GRAVITY (H<sub>2</sub>0=1): 1.08(calc.)

POINT: Not Applicable

VAPOR PRESSURE (mm Hg): Not Applicable

VAPOR DENSITY (AIR=1): Not Applicable

SOLUBILITY IN WATER: Negligible

WAPOR DENSITY (AIR=1): Not Applicable

COEF. WATER/OIL DIST.: Not Determined

EVAPORATION DAMES.

APPEARANCE (PHYSICAL STATE) AND ODOR: Solid; Red Odor; Slight

\*

# S E C T I O N I V - Fire and Explosion Hazard Data

\*

FLASH POINT (Method): Not Determined

EXTINGUISHING MEDIA: Chemical foam, dry chemical, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Treat as a flammable dust in the finely divided and suspended state.

HMIS RATING: 1

FLAMMABLE LIMITS LEL: Not Applicable

UEL: Not Applicable

AUTOIGNITION TEMPERATURE: Not Determined SENS. TO MECHANICAL IMPACT: Not Applicable SENS. TO STATIC DISCHARGE: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, SiO2, Formaldehyde. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF in atmospheres which contain oxygen.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

SECTION V - Reactivity Data

STABILITY

STABLE: X UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): Temperatures >131oF.

INCOMPATIBILITY (Materials to Avoid): Known None

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SiO2, Formaldehyde. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF in atmospheres which contain oxygen. Thermal decomposition may produce Hydrochloric acid(HCL).

HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

S E C T I O N V I - Health Hazard Data

\*

PRIMARY ROUTES OF EXPOSURE

INHALATION: X

SKIN CONTACT: X

SKIN ABSORPTION:

INGESTION: EYE CONTACT: X

HRALTH HAZARDS

ACUTE: Inhalation of fumes from heated material may cause irritation to eyes, skin and

respiratory tract. Indestion may result in gastric disturbances.

CHRONIC: None Known

CARCINOGENICITY

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards above.

AEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

OECD TEST VALUES FOR:

IRRITANCY: Not Determined

REPRODUCTIVE TOXICITY: Not Determined

SENSITIZATION: Not Determined

TERATOGENICITY: Not Determined

MUTAGENICITY: Not Determined

SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 1\*

\*

SECTION VII - First Aid Measures

\*

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move to fresh air.

INGESTION: Consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a

physician.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Prevent additional discharge of material. Recover spilled material and place in a suitable container for recycle or disposal.

**WASTE DISPOSAL METHOD:** In accordance with all Federal, State, and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry, ventilated area away from heat. Avoid contact with eyes, skin, and clothing.

RESPIRATORY PROTECTION: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

### **VENTILATION**

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses or goggles for dusty conditions.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling. Launder contaminated clothing before reuse. Observe good personal and industrial hygiene practices.

*******	***	**	**	**	**	***	***	**	*****	**********
	5 B	C	T	I	0	N	X	_	Additional	Information
********	***	**	**	**	**	***	***	**	******	*********

SPECIAL SHIPPING INFORMATION: Not Available

### TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA Inventory.

### SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None Known

### RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None

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1/97

### MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-21432 Violet

SECTION I-Preparation/Product Information 

MANUFACTURED FOR AND SUPPLIED BY: TELEPHONE NO.: (330) 916-6300

Harwick Chemical Manufacturing Corp.

2020 Front Street

Suite 106

Cuyahoga Falls, OH 44221

DATE PREPARED: September 25, 1996

PREPARER: Health, Safety, & Environment

PRODUCT USE: Colorant

DATE PRINTED: July 7, 2000

SECTION II-Ingredients/Identity Information

COMPONENTS EXPOSURE LIMITS TOXICITY AMOUNT CHEMICAL IDENTITY/CAS#/UN# PEL TLV OTHER LD50/LC50

Vinyl Stopped Dimethyl Polymer Not Established 50-60

CAS #Mixture-68083-19-2

Sodium Alumino Sulphosilicate Not Established LD50 rat/oral 30-40 CI Pigment Blue 29, CI #77007 >10,000 mg/kg CAS #57455-37-5

Quinacridone Not Established 1-5

CI Pigment Violet 19, CI #73900

CAS #1047-16-1

Titanium Dioxide \*15 mg/m3 \*10 mg/m3 LD50 rat/oral 1-5 CAS #13463-67-7 >24,000 mg/kg

Containing Hydrated Alumina; CAS #21645-51-2

\*PEL & TLV for titanium dioxide (total dust). Not likely to occur under normally accepted usages.

SECTION III-Physical/Chemical Characteristics

BOILING POINT: Not Applicable FREEZING POINT: Not Applicable

VAPOR PRESSURE (mm Hg): Not Applicable VAPOR DENSITY (AIR=1): Not Applicable SOLUBILITY IN WATER: Negligible

APPEARANCE (PHYSICAL STATE) AND ODOR: Solid; Violet

SPECIFIC GRAVITY (H20=1): 1.28(calc.)

pH: Not Applicable

ODOR THRESHOLD (ppm): Not Determined COEF. WATER/OIL DIST.: Not Determined EVAPORATION RATE: Not Applicable

Odor; Slight

SECTION IV-Fire and Explosion Hazard Data

FLASH POINT (Method): Not Determined

EXTINGUISHING MEDIA: Chemical foam, dry chemical, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HMIS RATING: 1

FLAMMABLE LIMITS LEL: Not Applicable

UEL: Not Applicable

AUTOIGNITION TEMPERATURE: Not Determined SENS. TO MECHANICAL IMPACT: Not Applicable SENS. TO STATIC DISCHARGE: Not Applicable

HAZARDOUS COMBUSTION PRODUCTS: COx, SOx, Formaldehyde. This product contains methylpolysiloxanes

which can generate formaldchyde at approximately 300oF in atmospheres which contain oxygen.

SECTION V - Reactivity Data

STABILITY

STABLE: X

UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): None Known

INCOMPATIBILITY (Materials to Avoid): Acids

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, H2S, SOx, Formaldehyde. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF in atmospheres which contain oxygen.

HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

SECTION VI - Health Hazard Data

PRIMARY ROUTES OF EXPOSURE

INHALATION: X

SKIN CONTACT: X

SKIN ABSORPTION:

INGESTION:

EYE CONTACT: X

**HEALTH HAZARDS** 

ACUTE: Inhalation of fumes from heated material may cause irritation to eyes, skin and respiratory tract. Ingestion may result in gastric disturbances.

CHRONIC: None Known

CARCINOGENICITY

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

**QECD TEST VALUES FOR:** 

IRRITANCY: Not Determined

REPRODUCTIVE TOXICITY: Not Determined TERATOGENICITY: Not Determined

SENSITIZATION: Not Determined

MUTAGENICITY: Not Determined

SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 1\*

SECTION VII-First Aid Measures

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move to fresh air.

INGESTION: Consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a physician.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Prevent additional discharge of material. Recover spilled material and place in a suitable container for recycle or disposal.

WASTE DISPOSAL METHOD: In accordance with all Federal, State, and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry, ventilated area away from heat. Avoid contact with eyes, skin, and clothing.

SECTION, IX - Control Measures

RESPIRATORY PROTECTION: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV or as necessary

**VENTILATION** 

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses or goggles for dusty conditions.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling. Launder contaminated clothing before reuse. Observe good personal and industrial hygiene practices.

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA Inventory.

SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

None Known

RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None

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1/97

### MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-21400 Co	ol Gray							
**************************************	formation							
MANUFACTURED FOR AND SUPPLIE	TELEPHONE 1	TELEPHONE NO.: (330) 916-6300						
Harwick Chemical Manufacturing Corp 2020 Front Street	DATE PREPA	RED: August 27,	1996					
Suite 106 Cuyahoga Falls, OH 44221		PREPARER: H	Iealth, Safety, & E	nvironment				
Cuyanoga 1 ans, O11 44221		PRODUCT USE: Colorant						
		DATE PRINTED: September 7, 2000						
**********	*****	******	******	******				
SECTION II - Ingredients/Identity In		*******	******	******				
COMPONENTS CHEMICAL IDENTITY/CAS#/UN#	EXPOSURE LI PEL TLV	IMITS OTHER	TOXICITY LD50/LC50	AMOUNT %				
Vinyl Stopped Dimethyl Polymer CAS #Mixture-68083-19-2	Not Established	i		60-70				
Titanium Dioxide CAS #13463-67-7	_	15 mg/m3 **10 mg/m3 LD50 rat/ora >24,000 mg/l						
Containing Hydrated Alumina; CAS #21 *PEL & TLV for titanium dioxide (total du		occur under norm	ally accepted usage	es.				
Iron Oxide Magnetite CI Pigment Black 11, CI #77499 CAS #12227-89-3	Not Established	LD50 rat/oral >10,000 mg/kg	5-10					
Iron Oxide CI Pigment Yellow 42, CI #77492 CAS #51274-00-1	nent Yellow 42, CI #77492 **10 mg/m3 >10,000 mg/k							
*PEL & TLV for Iron Oxide fume. Not like **PEL for Iron Oxide dust. Not likely to o								
Iron Oxide	*10 mg/m3 *5	mg/m3	LD50 rat/oral	1-5				
CI Pigment Red 101, CI #77491 CAS #1309-37-1	**10 mg/m3		>10,000 mg/kg					
*PEL & TLV for Iron Oxide fume. Not like **PEL for Iron Oxide dust. Not likely to o								

<sup>\*\*</sup>PEL for Iron Oxide dust. Not likely to occur under normally accepted usages.

SECTION III - Physical/Chemical Characteristics **BOILING POINT: Not Applicable** SPECIFIC GRAVITY (H20=1): 1.37(calc.) FREEZING POINT: Not Applicable pH: Not Applicable VAPOR PRESSURE (mm Hg): Not Applicable ODOR THRESHOLD (ppm): Not Determined VAPOR DENSITY (AIR=1): Not Applicable COEF. WATER/OIL DIST.: Not Determined SOLUBILITY IN WATER: Negligible **EVAPORATION RATE:** Not Applicable APPEARANCE (PHYSICAL STATE) AND ODOR: Solid; Gray Odor: Slight SECTION IV - Fire and Explosion Hazard Data FLASH POINT (Method): Not Determined EXTINGUISHING MEDIA: Chemical foam, dry chemical, CO2 SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing. UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known HMIS RATING: 1 FLAMMABLE LIMITS LEL: Not Applicable UEL: Not Applicable AUTOIGNITION TEMPERATURE: Not Determined SENS. TO MECHANICAL IMPACT: Not Applicable SENS. TO STATIC DISCHARGE: Not Applicable HAZARDOUS COMBUSTION PRODUCTS: COx, SiO2, Formaldehyde. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF in atmospheres which contain oxygen. \* SECTION V - Reactivity Data

STABILITY STABLE: X

**UNSTABLE:** 

CONDITIONS TO AVOID (Cond. of Reactivity): Temperatures >1310F.

INCOMPATIBILITY (Materials to Avoid): Known None

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SiO2, Formaldehyde. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF in atmospheres which contain oxygen.

HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

\*

SECTION VI-Health Hazard Data

PRIMARY ROUTES OF EXPOSURE

INHALATION: X

SKIN CONTACT: X

SKIN ABSORPTION:

INGESTION:

EYE CONTACT: X

**HEALTH HAZARDS** 

ACUTE: Inhalation of fumes from heated material may cause irritation to eyes, skin and respiratory tract. Ingestion

may result in gastric disturbances.

CHRONIC: None Known

CARCINOGENICITY

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

OECD TEST VALUES FOR:

IRRITANCY: Not Determined

REPRODUCTIVE TOXICITY: Not Determined

SENSITIZATION: Not Determined

TERATOGENICITY: Not Determined

MUTAGENICITY: Not Determined

SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 1\*

\*

SECTION VII-First Aid Measures

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move to fresh air.

INGESTION: Consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a physician.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Prevent additional discharge of material. Recover spilled material and place in a suitable container for recycle or disposal.

WASTE DISPOSAL METHOD: In accordance with all Federal, State, and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry, ventilated area away from heat. Avoid contact with eyes, skin, and clothing.

RESPIRATORY PROTECTION: (Specify Type)
A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

### **VENTILATION**

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses or goggles for dusty conditions.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling. Launder contaminated clothing before reuse. Observe good personal and industrial hygiene practices.

*********************
SECTION X - Additional Information ************************************
SPECIAL SHIPPING INFORMATION: Not Available
TSCA INVENTORY STATUS: Chemical component(s) are listed on the TSCA Inventory.
SARA TITLE III: This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:
None Known
RCRA STATUS: The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):
None

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1/97

### MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-21401 Aluminum

S E C T I O N I - Preparation/Product Information

MANUFACTURED FOR AND SUPPLIED BY: EMERGENCY TELEPHONE NO.: (330) 916-6300

Harwick Chemical Manufacturing Corp. DATE PREPARED: June 17, 1998

2020 Front Street

Suite 106

Cuyahoga Falls, OH 44221

PREPARER: Health, Safety, & Environment

PRODUCT USE: Colorant

DATE PRINTED: June 17, 1998

S E C T I O N I I - Ingredients/Identity Information

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*

COMPONENTS EXPOSURE LIMITS TOXICITY CHEMICAL IDENTITY/CAS#/UN# OTHER LD50/LC50 ક

Vinyl Stopped Dimethyl Polymer Not Established Not Determined 60-70

CAS #Mixture-68083-19-2

 $*15 \text{ mg/m}^3 *10 \text{ mg/m}^3$ Aluminum Flake Not Determined 20-30

\*\*5 mg/m<sup>3</sup> CAS #7429-90-5

\*PEL & TLV for total nuisance dust. Not likely to occur under normally accepted usages.

\*\*PEL for respirable dust. Not likely to occur under normally accepted usages.

Not Established LD50 rat/oral 5-10 1,2 Benzenedicarboxylic Acid,

di-C9-11 branched alkyl esters

CAS #68515-49-1

>64,000 mg/kg

SECTION III - Physical/Chemical Characteristics

\*

BOILING POINT: Not Applicable FREEZING POINT: Not Applicable

SPECIFIC GRAVITY (H<sub>2</sub>0=1): 1.17(calc.)

pH: Not Applicable

VAPOR PRESSURE (mm Hg): Not Applicable

VAPOR DENSITY (AIR=1): Not Applicable

COEF. WATER/OIL DIST.: Not Determined

WVAPORATION RATE: Not Applicable

APPEARANCE (PHYSICAL STATE) AND ODOR: Solid; Silver

Odor; Slight

FLASH POINT (Method): Not Determined

EXTINGUISHING MEDIA: Chemical foam, dry chemical, CO<sub>2</sub>. Use water fog, alcohol foam, CO<sub>2</sub>, dry chemical or other Class B extinguishing media. Do not use a water hose stream. Do not use halogenated extinguishing agents. For aluminum pigment fire, use only Class D extinguishing agents with low velocity nozzle, dry sand, protein foam or AFF.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Care should be used when applying a Class B extinguishing agent because some agents can accelerate a fire when most of the organics in the pigment have been consumed and the flake has started to burn. At this time, isolate the fire by ringing it with a dry, inert, granular material, or Class D extinguishing agent.

HMIS RATING: 1

FLAMMABLE LIMITS LEL: Not Applicable UEL: Not Applicable

AUTOIGNITION TEMPERATURE: Not Determined SENS. TO MECHANICAL IMPACT: Not Applicable SENS. TO STATIC DISCHARGE: Not Applicable

TAZARDOUS COMBUSTION PRODUCTS: COx, organic acids, aluminum oxide, H2, smoke, SiO2, formaldehyde. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

S E C T I O N V - Reactivity Data

### STABILITY

STABLE: X UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): Avoid excessive heat, ignition sources, smoking, open flames, and sparks.

INCOMPATIBILITY (Materials to Avoid): Strong oxidizing agents, aluminum can react with some acids, caustic solutions, and water to form H2 and heat. Halogenated compounds.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SiO2, organic acids, aluminum oxide, smoke, H2, Formaldehyde. This product contains methylpolysiloxanes which can generate formaldehyde at approximately 300oF in atmospheres which contain oxygen.

### HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

2 P C I I O N A I - Dealth Dard

PRIMARY ROUTES OF EXPOSURE

INHALATION: X

SKIN CONTACT: X

SKIN ABSORPTION:

INGESTION:

EYE CONTACT: X

HEALTH HAZARDS

ACUTE: Contact with skin and eyes may cause irritation. Inhalation of mists or heated liquid may cause nausea or respiratory tract irritation. Ingestion may cause abdominal

cramps, nausea and diarrhea.

CHRONIC: Laboratory animal studies have shown that DIDP (CAS #68515-49-1) may cause

adverse reproductive effects at high doses (Environ. Res. 9:1, 1975).

CARCINOGENICITY

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

OECD TEST VALUES FOR:

IRRITANCY: Not Determined

REPRODUCTIVE TOXICITY: Not Determined

SENSITIZATION: Not Determined

TERATOGENICITY: Not Determined

MUTAGENICITY: Not Determined

SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 1\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

SECTION VII - First Aid Measures

\*

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move to fresh air.

INGESTION: Consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a

physician.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Prevent additional discharge of material. Recover spilled material and place in a suitable container for recycle or disposal.

WASTE DISPOSAL METHOD: In accordance with all Federal, State, and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry, ventilated area away from heat. Avoid contact with eyes, skin, and clothing.

RESPIRATORY PROTECTION: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

### **VENTILATION**

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses or goggles for dusty conditions.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling. Launder contaminated clothing before reuse. Observe good personal and industrial hygiene practices.

3PECIAL SHIPPING INFORMATION: Not Available

### TSCA INVENTORY STATUS:

Chemical component(s) are listed on the TSCA Inventory.

### SARA TITLE III:

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

Aluminum Flake CAS #7429-90-5

20-30

### RCRA STATUS:

The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):

None Known

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1/97

### MATERIAL SAFETY DATA SHEET

IDENTITY: Stan-Tone® HCC-21295 Gra	y	i					
**************************************		*****	***************************************	is and outs and	******		
MANUFACTURED FOR AND SUPPLIES	DBY:	TELEPHONE NO.: (330) 916-6300					
Harwick Chemical Manufacturing Corp. 2020 Front Street				ED: July 15, 199			
Suite 106 Cuyahoga Falls, OH 44221		:	PREPARER: H PRODUCT USE	ealth, Safety, & E :: Colorant	nvironment		
		, J	DATE PRINTE				
***********	*****	*****	*******	*******	*****		
SECTION 11-Ingredients/Identity In	formation	\ ! !#88***	********	********	*******		
COMPONENTS CHEMICAL IDENTITY/CAS#/UN#	EXPOST PEL	1	MITS OTHER	TOXICITY LD50/LC50	AMOUNT		
Vinylpolydimethylsiloxane CAS #Mixture - 68083-19-2	Not Esta	blished			50-60		
Titanium Dioxide CAS #13463-67-7 Containing Hydrated alumina; CAS #21645 *PEL & TLV for titanium dioxide (total du		m3 *10 :	mg/m3	LD50 rat/oral >24,000 mg/kg	30-40		
Iron Oxide Magnetite CI Pigment Black 11, CI #77499 CAS #12227-89-3	Not Esta	blished		LD50 rat/oral >10,000 mg/kg	1-5		
Iron Oxide CI Pigment Yellow 42, CI #77492 CAS #51274-00-1 *PEL & TLV for Iron Oxide fume. Not like		/m3 hormally	accepted usages.		.1-1		
**PEL for Iron Oxide dust. Not likely to or	cur under	normall	y accepted usages				
Treated Silicon Dioxide Filler CAS #Proprietary ************************************	15 mg/m *******	3 10 mg	/m3	***	.1-1		
SECTION III-Physical/Chemical Ch			******	*******	****		
BOILING POINT: Not Determined FREEZING POINT: Not Determined VAPOR PRESSURE (mm Hg): Not Determined VAPOR DENSITY (AIR=1): Not Determined VAPOR DENSITY (AIR=1): Not Determine SOLUBILITY IN WATER: Insoluble APPEARANCE (PHYSICAL STATE) AND	nined ned	SPECIFIC GRAVITY (H20=1): 1.40(calc.) pH: Not Determined ODOR THRESHOLD (ppm): Not Determined COEF. WATER/OIL DIST.: Not Determined EVAPORATION RATE: Not Determined Paste; Gray Odor; Slight					

NO.026 P.4

SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Determined

EXTINGUISHING MEDIA: Foam, CO2, dry chemical

SPECIAL FIRE FIGHTING PROCEDURES: None Known

UNUSUAL FIRE AND EXPLOSION HAZARDS: None Known

HMIS RATING: 1

FLAMMABLE LIMITS LEL: Not Available

UEL: Not Available

AUTOIGNITION TEMPERATURE: Not Available SENS. TO MECHANICAL IMPACT: Not Available SENS. TO STATIC DISCHARGE: Not Available

HAZARDOUS COMBUSTION PRODUCTS: COx, Si02, Silicon Dioxide, Formaldehyde

SECTION V - Reactivity Data

**STABILITY** 

STABLE: X

**UNSTABLE:** 

CONDITIONS TO AVOID (Cond. of Reactivity): Temperatures > 1310 F.

INCOMPATIBILITY (Materials to Avoid): None Known

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, SiO2, Silicon Dioxide, Formaldehyde. If heated above 300F, may generate formaldehyde gas which is a skin and respiratory sensitizer, acute toxicant and potential cancer hazard.

HAZARDOUS POLYMERIZATION

MAY OCCUR:

WILL NOT OCCUR: X

CONDITIONS TO AVOID: None Known

HMIS RATING: 0

MAY.26.2000 4:41PM HARWICK CHEMICAL

NO.026 P.5

SECTION VI-Health Hazard Data

PRIMARY ROUTES OF EXPOSURE

INHALATION:

SKIN CONTACT: X

SKIN ABSORPTION:

INGESTION:

EYE CONTACT: X

HEALTH HAZARDS

ACUTE: May cause eye and skin irritation. Inhalation of fumes from heated material may cause irritation to eyes and

respiratory tract.

CHRONIC: None Known

CARCINOGENICITY

NTP: No

IARC: No

OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards above.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Known

OECD TEST VALUES FOR:

IRRITANCY: Not Determined

REPRODUCTIVE TOXICITY: Not Determined

TERATOGENICITY: Not Determined

SENSITIZATION: Not Determined

MUTAGENICITY: Not Determined

SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 1

\*

SECTION VII-First Aid Measures

**EMERGENCY AND FIRST AID PROCEDURES** 

INHALATION: Move to fresh air.

INGESTION: Consult a physician.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a physician.

NO.026 P.6

MAY.26.2000 4:41PM HARWICK CHEMICAL

SECTION VIII- Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wipe, scrape, or soak up in an inert material and put in a suitable container for disposal. Wash walking surfaces with detergent and water to reduce slipping hazard.

WASTE DISPOSAL METHOD: In accordance with all Federal, State and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store at room temperature in tightly closed containers. Avoid contact with eyes, skin and clothing.

SECTION IX - Control Measures

RESPIRATORY PROTECTION: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

**VENTILATION** 

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Safety glasses

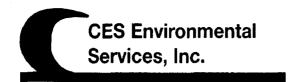
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station

WORK/HYGIENIC PRACTICES: Wash thoroughly after handling. Launder contaminated clothing before reuse.

**************************************
SPECIAL SHIPPING INFORMATION: Not Available
TSCA INVENTORY STATUS: Chemical component(s) are listed on the TSCA Inventory.
SARA TITLE III: This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:
None Known
RCRA STATUS: The following chemical component(s) are listed or may be characteristically hazardous under (40 CFR 261):
None Known

THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BASED UPON DATA THAT IS ACCURATE AND RELIABLE TO THE BEST OF HARWICK'S KNOWLEDGE AND BELIEF. HARWICK MAKES NO WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE GOODS OR USE OF THE GOODS OR THE PERFORMANCE OF THE GOODS AND MAKES NO WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. IN NO EVENT SHALL HARWICK BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL, DIRECT OR SPECIAL DAMAGES ARISING, DIRECTLY OR INDIRECTLY, IN RESPECT TO SUCH GOODS OR THE USE OR FAILURE THEREOF, WHETHER BASED ON BREACH OF WARRANTY, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE.

1/97



## Waste Pre-Acceptance/Approval Letter

Date 9/25/2008

Dear Tommy Boyette

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # -3001

Expiration Date 9/25/2010

**Generator:** Delta Chemical **Address:** 334 Tidal Road

Deer Park, TX 77536

**Waste Information** 

Name of Waste: RCRA empty containers

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Empty containers that contained various chrmicals

Color: varies

Odor: none

pH: neutral

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

**CES Environmental Services - Houston Facility** 

v



JB/AL

CES Environmental Services - Port Arthur Facility

U.S. EPA ID N	Phone () lumber:	713) 6 TXD00	76-1460 18950461	ouston, TX 77 Fax: (713) 67 ISWR Nu Permit Num	6-1460 mber; 3090		U.S. E	Pho		76-146	Port Arthur 0 Fax: (713 79307 IS		0	8585
SECTION 1:	Genera	otor Ir	formati	<b>.</b>				······································						·
	Delta (			<u>)11</u>										
Address:	334 Tic				<del>~~~~~~~~~</del>				,,, <del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>					
	Deer P		40	<del></del>	<u></u>		<b>T</b>	***************************************						7707
City: Contact:				······································	SE	ate:	Texas	<del> </del>	_Zip:				<del></del>	77536
Phone Num	Tomm	у воу	(281) 68	20 4100		***************************************	Title:	سمأمس	12011 420	0043				
24/hr Phone	- :		(281) 68			·····	_ rax Mui	moer.	(281) 479	-3042				
US EPA ID N		ier.	TXR000		<del></del>		-							
State ID No:			TARDOO	023133	····	05055	SIC Cod		NI.A					
Jeace 10 190.			<del></del>	**************************************	<del></del>	03033	SIL COU	ie.	NA					
SECTION 2: Company: Address:	Billing	Inforn	nation -	☑ <u>Sar</u>	ne as Abo	<u>ve</u>	·			<del></del>	· · · · · · · · · · · · · · · · · · ·			
City:		***************************************			Sta	ite:	***************************************		Zip:			· · · · · · · · · · · · · · · · · · ·		***************************************
Contact:							Title:		-	***************************************				
Phone Num	ber:						Fax Nu	mber:						
SECTION 3: Name of Wa Detailed De	iste:		RCRA Er	npty Contair	ners	***************************************			,,,,, <del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>				·vs	
Empty conta	iners th	nat co	ntained v	/arious mate	rials		***************************************		<u></u>			**************************************		<del></del>
Physical Sta	te:	Image: Control of the	Liquid Solid		-	dge er Cake	<b>)</b>		Powder Combinat	tion				
Color:	varies						Odor:		none		<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	······································	·	<del></del>
Specific Gra	vity (wa	ater=1	<b>):</b>	na			· *- · · · · · · · · · · · · · · · · · ·	a a maga a proper sa super super	Density:	<u>na</u>	lbs/	/gal		
Does this m	aterial (	conta	in any to	tal phenolic	compoun	ids?		Yes	₹	] No				
Does this m	aterial	contai	in any pa	ra substitut	ed pheno	lic comp	ounds?			Yes	☑ No			
Is the Waste Answer "Yes											E following	] Yes	Ø	No
2812	-	2813		2816	2819	2821		2822	282	3	2824	2833		2834
2835		2836		2841	2842	2843		2844			2861	2865		2869
2873		2874		2876	2879	2891		2892	289	3	2896	2899		2911
3312		4953		4959	9511									
Layers:	Ø	Sing	le-phase		Multi-ph	ase								
Container T	уре:	V	Drum	☑ Tote	□ Tr	ıck 🗌	Other (	explair	1)					
Frequency: Quantity:			☑ Mo	nthly 🔲 Y	early 🗌	One-T	ime				**			

Is this a USEPA "Hazardous Waste" per 40CFR 261.3?  If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto  If "Yes", Is it: D001 (Ignitable) D002 (Corrosive) D003 (Reactive)  Characteristic for Toxic Metals: D004 D005 D006 D007 D008 D009  D010 D011  Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)											
Is this an "F" or "K" Listed waste or mixed with one?  If "Yes", then please list ALL applicable codes:											
Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under  40 CFR 261.33(e) or (f)?											
Proper US DOT Shipping Class: na		na RCKA N	PG:	gulated materia na	RQ:	na		<del></del>			
Flash Point	Flash Point pH Reactive Sulfides Reactive Cyanides Solids										
na	nuetr	al	. 0	mg/l	0	mg/l	100	%			
Oil & Grease	TOC			Zinc	oc Copper		Nic	cel			
0 <u>mg/l</u>	0 1	<u>mg/l</u>	0	<u>mg/l</u>	0	mg/l	Ó	mg/l			
CON The waste cons	SECTION 4: Physical and Chemical Data  COMPONENTS TABLE  CONCENTRATOIN  The waste consists of the following materials  Ranges are acceptable										
KUIP	A empty contains				10	Y		%			

SECTION 5: Safety	/ Related Data	
If the handling of t	his waste requires the use of special protective equipment, please explain.	
Standard		
***************************************		
	hed Supporting Documents	
	notes, data and/or analysis attached to this form as part of the waste	
approval package.	none	
***************************************		
SECTION 7: Incom		
	mpatibilities (if any):	
none		
	ator's Knowledge Documentation	
	s of the hazardous waste characteristics, listed below, WAS NOT PERFORMED	
pased upon the for	llowing generator knowledge:	
TCLP Metals:	BRL	
TCLP Volatiles:	BRL	
TCLP Semi-Volatile:		
Reactivity:	Non Reactive	
Corrosivity:	Nion Corrosive	
ignitability:	Notn Ignitabile	
,		
SECTION 9: Waste R	Receipt Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Requirements for Centralized Waste Treatment	
<u>Facilities</u>		
	material a wastewater or wastewater sludge? YES NO 'Yes', complete this section.	
**	res , complete this section.	
PLEASI	E CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.	
Metals Subcategory	: Subpart A	
	electroplating baths and/or sludges	
barrers .	finishing rinse water and sludges	
	late wastes	
	llution control blow down water and sludges anodizing solutions	
	ration wastewaters	
☐ Waste	liquid mercury	
	le-containing wastes greater than 136 mg/l	
Constant of the control of the contr	acids and bases with or without metals	
	ng, rinsing, and surface preparation solutions from electroplating or phosphating operations ory deburring wastewater	
	ne and acid solutions used to clean metal parts or equipment	
Oils Subcategory: S	Tulkianna D	
Used o	·	
-	ter emulsions or mixtures	
Lubrica		
Coolan		
	minated groundwater clean-up from petroleum sources	
	petroleum products Il clean-up	
☐ Oil spii ☐ Bilge vi		
	wash waters from petroleum sources	

Off-specification fuels
Underground storage remediation waste
Tank clean-out from petroleum or oily sources
Non-contact used glycols
Aqueous and oil mixtures from parts cleaning operations
Wastewater from oil bearing paint washes
Organics Subcategory: Subpart C
Landfill leachate
Contaminated groundwater clean-up from non-petroleum sources
Solvent-bearing wastes
Off-specification organic product
Still bottoms
Byproduct waste glycol
Wastewater from paint washes
Wastewater from adhesives and/or epoxies formulation
Wastewater from organic chemical product operations
Tank clean-out from organic, non-petroleum sources
(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)
(2)  If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in
excess of the values listed below, the waste should be classified in the metals subcategory.
Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L
(3)
If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper,
or nickel above any of the values listed above, the waste should be classified in the organics subcategory.  Metals Subcategory
☐ Metals Subcategory ☐ Oils Subcategory
Metals Subcategory
☐ Metals Subcategory ☐ Oils Subcategory
☐ Metals Subcategory ☐ Oils Subcategory
☐ Metals Subcategory ☐ Oils Subcategory ☐ Organics Subcategory ☐ SECTION 10 Additional Instructions
☐ Metals Subcategory ☐ Oils Subcategory ☐ Organics Subcategory ☐ Organics Subcategory  SECTION 10. Additional Instructions  If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This
☐ Metals Subcategory ☐ Oils Subcategory ☐ Organics Subcategory ☐ Organics Subcategory  SECTION 10. Additional Instructions  If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.
Metals Subcategory   Oils Subcategory   Organics Subcategory
Metals Subcategory     Oils Subcategory     Organics Subcategory     Organics Subcategory     Organics Subcategory
Metals Subcategory  Oils Subcategory  Organics Subcategory  SECTION 10 Additional Instructions  If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.  SECTION 11: Generator's Certification  The information contained herein is based on generator knowledge and/or analytical data.  I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of compostion properties exist and that all known or suspected hazards have been disclosed. I certify that the
Metals Subcategory     Oils Subcategory     Organics Subcategory     Organics Subcategory     Organics Subcategory
Metals Subcategory Oils Subcategory Organics Subcategory  SECTION 10 Additional Instructions  If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.  SECTION 11: Generator's Certification  The information contained herein is based on generator knowledge and/or analytical data.  I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.
Metals Subcategory   Oils Subcategory   Oils Subcategory   Organics Subcategory   Organic
Metals Subcategory Oils Subcategory Organics Subcategory  SECTION 10 Additional Instructions  If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.  SECTION 11: Generator's Certification  The information contained herein is based on generator knowledge and/or analytical data.  I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.
Metals Subcategory   Oils Subcategory   Oils Subcategory   Organics Subcategory   Organic
Metals Subcategory   Oils Subcategory   Oils Subcategory   Organics Subcategory   Organic
Metals Subcategory   Oils Subcategory   Organics Subcategory
Metals Subcategory   Oils Subcategory   Oils Subcategory   Organics Subcategory   Organic
Metals Subcategory   Oils Subcategory   Organics Subcategory



### PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

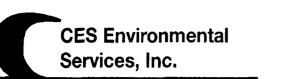
1. Base Pricing (including freight):
Drum \$10 Tote \$100
2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing:
4. Special Testing Requirements:
5. Treatment and Handling Protocol:
Recycle empty containers
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



### PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):	
8. Management for Product Recovered/Recycled (if applicable)	·
Recycle empty containers	

3004 GATX Rail (Galena)



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 9/29/2008

Dear Trey Weiser

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3004

Expiration Date 9/29/2010

Generator: GATX Rail Corporaiton (Galena Park)

Address: 1216 Clinton Drive

Galena Park, TX 77547

Waste Information

Name of Waste: Out dated nonhazardous paint

TCEQ Waste Code #: CESQ2092

Container Type:

**Detailed Description of Process Generating Waste:** 

Out dated nonhazardous piant from painting offices

Color: varies

Odor: none

5 gallon buckets

pH: neutral

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



# CES Environmental Services, Inc.

CES Environmental Services - Houston Facility 4904 Griggs Road, Houston, TX 77021 Phone (713) 676-1460 Fax: (713) 676-1460 U.S. EPA ID Number: TXD008950461 ISWR Number: 30900 TCEQ Industrial Solid Waste Permit Number: 30948							CES Environmental Services - Port Arthur Facility 2420 S. Gulfway Dr., Port Arthur, TX 77641 Phone (713) 676-1460 Fax: (713) 676-1460 U.S. EPA ID Number: TXR000079307 ISWR Number: 88585						
SECTION 1: Generator Information Company: GATX Rail Corporation (Galena Park)													
Address:	1216 Cl	inton	Drive										
City:	Galena	Park				State:	TX		_Zip:				77547
Contact:	Ernie G	uzmai	n				_Title:						
<b>Phone Num</b>	ber:		713-455	-4999 ext	13		_Fax Num	ber:	312-499-739	2			
24/hr Phone	e Numbe	er:	832-978	3-2163			_						
US EPA ID N	lo:		TXCESQ	G			_						
State ID No:	:		CESQG				_SIC Code	:	NA				
SECTION 2: Billing Information - Same as Above Company:						<u>Nbove</u>							
Address: City:						State:			Zip:				
Contact:						State:	Title:		- <sup>zip:</sup>				
	her:						-	har:		·-··			
Phone Number: Fax Number:  SECTION 3: General Description of the Waste													
Name of Wa		-		ed Non haz		paint							
<b>Detailed De</b>	scription	of P	rocess G	enerating	Waste:								
out dated no	on hazar	dous	paint fro	m painting	goffices								
Physical Sta		=	Liquid Solid			Sludge Filter Cake	•		Powder Combination	1			
Color:	varies						Odor:		none		···		
Specific Gra	vity (wa	ter=1)	):			1.29	<u>)</u>		Density:	10.75 lbs	/gal		
Does this m	aterial c	ontai	n any to	tal phenol	ic comp	ounds?		Yes	☑ N	lo			
Does this m	aterial c	ontai	n any pa	ra substiti	uted phe	enolic com	pounds?		☐ Ye	s 🗸 No	)		
									1, Subpart FF		Yes g:	<b>V</b>	No
2812	- 2	2813		2816	2819	2821	L	2822	2823	2824	2833		2834
2835	2	2836		2841	2842	2843	}	2844	2851	2861	2865		2869
2873	2	2874		2876	2879	2891	L	2892	2893	2896	2899		2911
3312	4	4953		4959	9511								
Layers:		Singl	e-phase	<b>.</b>	Multi	-phase							
Container T	ype:		Drum	☐ Tota	e 🗆	Truck 🔽	Other (ex	kplair	1)				
Frequency:				nthly 🗌	Yearly	✓ One-T	'ime						

Is this a USEPA "Hazardous Waste" per 40CFR 261.3? Yes Volume No If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto									
If "Yes", Is it: D001 (Ignitable) D002 (Corrosive) D003 (Reactive)  Characteristic for Toxic Metals: D004 D005 D006 D007 D008  D010 D011  Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)							□ D009		
Characterist	ic for Toxic O	rganics: D012	thru D043 (p	olease list al	I that apply)				
	s this an "F" or "K" Listed waste or mixed with one?  If "Yes", then please list ALL applicable codes:								
Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under  40 CFR 261.33(e) or (f)?									
Texas State Waste Code Number: CESQ2092									
-	OT Shipping		Non RCRA/I		gulated Paint				
Class:	NA	UN/NA:	NA	_PG:	NA	RQ:	NA		
Flash Point pH			Reacti	Reactive Sulfides Reactive Cyanides		Solids			
>150		neutral		na	mg/l	na	mg/l	0-40	%
Oil & Grease		TOC			Zinc	Copper		Nic	kel
<b>2</b> 1500	<u>mg/l</u>	na							
		i i i	mg/l	na	mg/l	na	mg/l	na	mg/l
SECTION 4:		Chemical Data		na					mg/l
	COM	Chemical Data	BLE		mg/l	CONCENT	RATOIN		mg/I UNITS
	CON e waste consi	Chemical Data IPONENTS TAI sts of the follo	BLE wing materia		mg/l	CONCENT Ranges are	RATOIN acceptable		mg/I UNITS or %
	CON e waste consi	Chemical Data	BLE wing materia		mg/l	CONCENT	RATOIN acceptable		mg/I UNITS
	CON e waste consi	Chemical Data IPONENTS TAI sts of the follo	BLE wing materia		mg/l	CONCENT Ranges are	RATOIN acceptable		mg/I UNITS or %
	CON e waste consi	Chemical Data IPONENTS TAI sts of the follo	BLE wing materia		mg/l	CONCENT Ranges are	RATOIN acceptable		mg/I UNITS or %
	CON e waste consi	Chemical Data IPONENTS TAI sts of the follo	BLE wing materia		mg/l	CONCENT Ranges are	RATOIN acceptable		mg/I UNITS or %
	CON e waste consi	Chemical Data IPONENTS TAI sts of the follo	BLE wing materia		mg/l	CONCENT Ranges are	RATOIN acceptable		mg/I UNITS or %
	CON e waste consi	Chemical Data IPONENTS TAI sts of the follo	BLE wing materia		mg/l	CONCENT Ranges are	RATOIN acceptable		mg/I UNITS or %
	CON e waste consi	Chemical Data IPONENTS TAI sts of the follo	BLE wing materia		mg/l	CONCENT Ranges are	RATOIN acceptable		mg/I UNITS or %
	CON e waste consi	Chemical Data IPONENTS TAI sts of the follo	BLE wing materia		mg/l	CONCENT Ranges are	RATOIN acceptable		mg/I UNITS or %
	CON e waste consi	Chemical Data IPONENTS TAI sts of the follo	BLE wing materia		mg/l	CONCENT Ranges are	RATOIN acceptable		mg/I UNITS or %

SECTION 5: Safety I						
If the handling of the	s waste requires the use of special protective equipment, please explain.					
Standard						
SECTION 6: Attache	d Supporting Documents					
List all documents, r	otes, data and/or analysis attached to this form as part of the waste					
approval package.	MSDS					
SECTION 7: Incomp	<u>atibilities</u>					
Please list ALL incom	patibilities (if any):					
None known						
SECTION 8: General	tor's Knowledge Documentation					
Laboratory analysis	of the hazardous waste characteristics, listed below, WAS NOT PERFORMED					
	owing generator knowledge:					
basea apon the rolle	Will Benefator Wild Micabe.					
TCLP Metals:	NA					
TCLP Volatiles:	NA					
TCLP Semi-Volatiles:	<u>NA</u>					
Reactivity:	NA					
Corrosivity:	NA					
Ignitability:	NA					
•						
SECTION 9: Waste Re	ceipt Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Requirements for Centralized Waste Treatment					
Facilities)						
Is this m	aterial a wastewater or wastewater sludge?					
If "Y	es', complete this section.					
PLEASE	CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.					
Metals Subcategory :	Subpart 4					
	ectroplating baths and/or sludges					
Metal finishing rinse water and sludges						
	Chromate wastes					
_	tion control blow down water and sludges					
	nodizing solutions					
	tion wastewaters					
	quid mercury					
	-containing wastes greater than 136 mg/l					
Waste a	cids and bases with or without metals					
Cleaning	g, rinsing, and surface preparation solutions from electroplating or phosphating operations					
	y deburring wastewater					
Alkaline	and acid solutions used to clean metal parts or equipment					
Oils Subcategory: Su	hannet D					
Used oil	·					
=	er emulsions or mixtures					
Lubricar						
Coolant	· <del>··</del>					
	inated groundwater clean-up from petroleum sources					
	troleum products					
= .	clean-up					
☐ Bilge wa	·					
	ash waters from petroleum sources					

_
Interceptor wastes
Off-specification fuels     Underground storage remediation waste
Tank clean-out from petroleum or oily sources
Non-contact used glycols
Aqueous and oil mixtures from parts cleaning operations
Wastewater from oil bearing paint washes
Organics Subcategory: Subpart C
Landfill leachate
Contaminated groundwater clean-up from non-petroleum sources
Solvent-bearing wastes
Off-specification organic product Still bottoms
Byproduct waste glycol
Wastewater from paint washes
Wastewater from adhesives and/or epoxies formulation
Wastewater from organic chemical product operations
Tank clean-out from organic, non-petroleum sources
(1)
If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)
(2)  If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in
excess of the values listed below, the waste should be classified in the metals subcategory.
Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37,5 mg/L
If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper,
or nickel above any of the values listed above, the waste should be classified in the organics subcategory.  [~] Metals Subcategory
Oils Subcategory
Organics Subcategory
C OtBanics 2000 (CEROLA
SECTION 10 Additional Instructions
(for the first t
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This
will be prior to acceptance. The generator will be responsible for the cost of the analysis.
will be brief to appearing the General and the head of the desired the distribution
SECTION 11: Generator's Certification
The Information contained herein is based on
I hereby certify that the above and attached description is complete and accurate to the best of
my knowledge and ability to determine that no deliberate or willful omissions of compostion
properties exist and that all known or suspected hazards have been disclosed. I certify that the
materials tested are representative of all materials described by this document.
$a/\sqrt{a}$
Authorized Signature: 2/26/03
Printed Name/Title: Emish Cyzman Fareman
CES USE ONLY (DO NOT WRITE IN THIS SPACE)
CONTRACT TO ACT ALLIE IN THIS SPACE)
Compliance Officer: Pad daw They and
Date: Q-10-10 Approved Rejected
Approval Number: 3004



1. Base Pricing (including freight):
\$25.00/5 gal bucket; \$70.00/hour transportation
2. Contamination Limit (maximum limit before surchages apply):
NA .
3. Surcharge Pricing:
NA NA
4. Special Testing Requirements:
5. Treatment and Handling Protocol:
Put in class 2 sludge box
Fut III class 2 sluuge box
6. Treated Wastewater Discharge Subcategory:
Subcategory A Subcategory B Subcategory C



NI A		cycled (if applicat	ле <i>ј</i> .	 <del></del>
NA				
	nt for Product Recov	ered/Recycled (if	applicable)	 
<b>8. Manageme</b> NA	nt for Product Recove	ered/Recycled (if	applicable)	 
	nt for Product Recove	ered/Recycled (if	applicable)	 
	nt for Product Recove	ered/Recycled (if	applicable)	
	nt for Product Recove	ered/Recycled (if	applicable)	

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#### MATERIAL SAFETY DATA SHEET

R66A310 1200

DATE OF PREPARATION

Sep 8, 2008

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

# PRODUCT NUMBER

B66A310

#### PRODUCT NAME

PRO INDUSTRIAL™ PRO-CRYL® Universal Actylic Primer, Gray

#### MANUFACTURER'S NAME

THE SHERWIN-WILLIAMS COMPANY

101 Prospect Avenue N.W.

Cleveland, OH 44115

Telephone Numbers and Websites

Product Information	www.sherwin-williams.com
Regulatory Information	(216) 566-2902
	www.paintdocs.com
Medical Emergency	(216) 566-2917
Transportation Emergency	(800) 424-9300
Tor Chemical Emergency ONLY (soi	Il lesk fire exposure or accident)

# SECTION 2 — COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	CAS Number	Ingredient	Units	Vapor Pressure
18	471-34-1	Calcium Carbonate ACGIH TLV OSHA PEL OSHA PEL	10 mg/m3 as Dust 15 mg/m3 Total Dust 5 mg/m3 Respirable Fraction	
9	13463-67-7	Titanium Dioxide ACGIH TLV OSHA PEL OSHA PEL	10 mg/m3 as Dust 10 mg/m3 Total Dust 5 mg/m3 Respirable Fraction	

#### SECTION 3 — HAZARDS IDENTIFICATION

#### ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist,

#### **EFFECTS OF OVEREXPOSURE**

EYES: Irritation.

SKIN: Prolonged or repeated exposure may cause irritation.

INHALATION: Irritation of the upper respiratory system.

In a confined area vapors in high concentration may cause headache, nausea or dizziness. SIGNS AND SYMPTOMS OF OVEREXPOSURE

Redness and itching or burning sensation may indicate eye or excessive skin exposure

#### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

#### CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

#### SECTION 4 — FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention. SKIN:

Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

INHALATION: If affected, remove from exposure. Restore breathing, Keep warm and quiet.

INGESTION: Do not induce vomiting, Get medical attention immediately.

# SECTION 5 — FIRE FIGHTING MEASURES

page 1 of 4

HMIS Codes

Health 1"

Flammability 0

Reactivity

AVIUDIJO AM PACE

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#### B66A310

FLASH POINT

Not Applicable

LEL

FLAMMABILITY CLASSIFICATION Not Applicable

UEL N.A. N.A.

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Alcohol Foam UNUSUAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode (due to the build-up of pressure) when exposed to extreme heat.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

#### SECTION 6 - ACCIDENTAL RELEASE MEASURES

#### STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED ON SPILLED

- Remove all sources of ignition, Ventilate the area.
- · Remove with inert absorbent.

#### SECTION 7 — HANDLING AND STORAGE

#### STORAGE CATEGORY

Not Applicable

#### PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Keep container closed when not in use, Transfer only to approved containers with complete and appropriate labeling. Do not take internally. Keep out of the reach of children,

#### SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

#### PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at luzzardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m3 (total dust), 3 mg/m3 (respirable fraction). OSHA PEL 15 mg/m3 (total dust), 5 mg/m3 (respirable fraction). VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1810.94, 1910.107, 1910.108.

#### RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 2.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

#### PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section 2.

# EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

#### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

PRODUCT WEIGHT 10.75 lb/gal

1288 6/

SPECIFIC GRAVITY 1.29

**BOILING POINT** 212 - 213° F 100 - 100° C

MELTING POINT Not Available

VOLATILE VOLUME 61%

**EVAPORATION RATE** Slower than ether

VAPOR DENSITY

Heavier than air

SOLUBILITY IN WATER N.A.

pН 8.7

#### VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged)

0.73lb/gal

86g/l Loss Water and Federally Exempt Solvents

0.31/b/gal

**Emitted VOC** 37g/l

page 2 of 4

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Sherwin-Williams

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# SECTION 10 - STABILITY AND REACTIVITY

STABILITY — Stable CONDITIONS TO AVOID

Non≘ kпоwп.

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

## SECTION 11 - TOXICOLOGICAL INFORMATION

#### CHRONIC HEALTH HAZARDS

IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium cloxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

#### **TOXICOLOGY DATA**

CAS No.	Ingredient Name				
471-34-1	Calcium Carbonate				
		LC50 RAT	4HR	Not Available	
		LO50 RAT		Not Available	
13463-67-7	Titanium Dioxide				
		LC50 RAT	4HR	Not Available	
		LD50 RAT		Not Available	

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#### SECTION 12 — ECOLOGICAL INFORMATION

#### **ECOTOXICOLOGICAL INFORMATION**

No data available.

#### SECTION 13 — DISPOSAL CONSIDERATIONS

#### WASTE DISPOSAL METHOD

Waste from this product is not hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Incinerate in approved facility. Do not incinerate closed container, Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

#### SECTION 14 — TRANSPORT INFORMATION

US Ground (DOT)

Not Regulated for Transportation.

Canada (TDG)

Not Regulated for Transportation

IMO

Not Regulated for Transportation.

#### SECTION 15 - REGULATORY INFORMATION

#### SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS No.	CHEMICAL/COMPOUND	% by WT	% Element						
	Zinc Compound	5	2.5						
	Glycol Ethers	2							

CALIFORNIA PROPOSITION 65

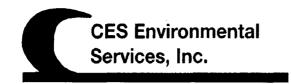
WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

#### SECTION 16 — OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

page 3 of 4



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 9/30/2008

Dear

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3005

**Expiration Date** 9/26/2010

Generator: CES Environmental Services - Port Arthur

**Address:** 2420 Gulfway Drive

Port Arthur, TX 77641

**Waste Information** 

Name of Waste: Nonhazardous wastewater

**TCEQ Waste Code #:** 00011131

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Wastewater from the manufacturing of Nash and sodium sulfide using sulfidic and pheno casustic as feed

Color: dark grey to dark red o Odor: slight pungent pH: 3-7

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

std ppe

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



# CES Environmental Services, Inc.

CES Environmental Services - Houston Facility 4904 Griggs Road, Houston, TX 77021 Phone (713) 676-1460 Fax: (713) 676-1460 U.S. EPA ID Number: TXD008950461 ISWR Number: 30900					242 Pho	nvironmental Serv 20 S. Gulfway Dr., ne (713) 676-1460 Jumber: TXR00007	Port Arthur, Fax: (713)	TX 77641				
			Permit Numi			0.3. 277	VID IV	iumber. (Altooo)	9307 13	With Hullinger	. 66565	
SECTION 1: Company:	Generator	Information	on .			l.						
Address:	2420 S. Gu		ervices									
City:	Port Arthu		,	State		Tx		Zip:			77641	
Contact:	Marlin Mo			State	•	Title:		- VP			77041	
Phone Num		301		713676	1460	Fax Numb	er.	•		713	6761676	
24/hr Phone				713070	71400	-	JC1.			713	3701070	
US EPA ID N		TXR 000	079307			•						
State ID No		17111 000	7073007		38585	SIC Code:					<del></del>	
State ID NO	•				,000	_ Sic couci						
SECTION 2:				ne as Above	1							
Company:			ervices									
Address:	4904 Grigg	s Road									77024	
City:	Houston			State	<b>:</b> :	Tx		_ <sup>_Zip:</sup>			77021	
Contact:	Juanita The	omas		742676	-1.460	Title:				712	C7C1C7C	
Phone Num	iber:			/136/6	1460	Fax Numb	er:			/13	6761676	
SECTION 3:	General De	escription	of the Waste	2								
Name of Wa	aste:	Non-ha	zardous was	tewater								
Detailed De	scription of	Process 6	ienerating W	/aste:								
Wastewater	r from the n	nanufactui	ing of nash a	and sodium S	Sulfide	using Sulf	fidic	and Phenolic Ca	ustic as feed	d.		
Physical Sta	ite: 🔽	Liquid Solid	,	Sludg	ge r Cake			Powder Combination				
Color:	dark gi	rey to	dark re	lorgn	e	Odor:		Slight Pungent				
Specific Gra	vity (water	=1):	1.0	-1.4	4	· ·		Density:	8.34 lbs/	gal ——	11.68	135/ 301
Does this m	aterial cont	tain any to	tal phenolic	compounds	s?	7	Yes	☐ No	,			•
Does this m	aterial cont	tain any pa	ara substitut	ed phenolic	comp	oounds?		Yes	✓ No			
	-							i <b>1, Subpart FF)</b> cility is one of th	e following	-	√ No	
2812			2816	2819	2821	•	ur rac 2822		2824	2833	2834	
2835			2841	2842	2843		2844		2861	2865	2869	
2873			2876	2879	2891		2892		2896	2899	2911	
3312			4959	9511	2031	4	2032	2033	2030	2033	2311	
Layers:		ngle-phase		Multi-phas	e							
	_	·		_		1 - 4 -						
Container T	ype:	Drum	☐ Tote	✓ Truci	k	Other (ex	plair	1)				
Frequency:	✓ Week	ly 🗌 Mo	nthly 🔲 Y	early 🗌 (	One-Ti	ime						
Quantity:			-	00,000								

Is this a USEPA "Hazardo If "Yes", then please con	•			Yes	✓ No ats Form attached hereto				
If "Yes", Is it:	] D001 (Ignitable	) 🗆	D002 (Corr	osive)	D003 (Reactive)				
Characteristic for Toxic Metals: □ D004 □ D005 □ D006 □ D007 □ D008 □ D009									
□ D010 □ D011									
Characteristic for Toxic C	Organics: D012 th	<b>hru D043</b> (pl	lease list al	l that apply)					
	Is this an "F" or "K" Listed waste or mixed with one?  If "Yes", then please list ALL applicable codes:								
Is this a commercial prod 40 CFR 261.33(e) or (f)? If "Yes", then please li		☐ Ye		n " <i>ld"</i> or "P" wa No	ste code under				
Texas State Waste Code	Number:	_	0001			. 1			
Proper US DOT Shipping Class:	Name:	Non-1	CRA,	Non-DO	T Regulated	Material 1113			
Class.		n/a	PG.		nu. 1/2				
Flash Point	рН		Reacti	ve Sulfides	Reactive Cyanides	Solids			
>140	3-7		<50	<u>mg/l</u>	<50 mg/l	0-10 %			
Oil & Grease	тос			Zinc	Copper	Nickel			
>1500 <u>mg/l</u>	N/A	mg/l	N-A	mg/l	N/A mg/l	N/A mg/l			
		<u>mg/I</u>	N-A	<u>mg/</u> 1	N/A mg/l	N/A <u>mg/l</u>			
SECTION 4: Physical and			N-A	<u>mg/I</u>	N/A mg/l CONCENTRATOIN	N/A mg/l UNITS			
SECTION 4: Physical and COM	Chemical Data  MPONENTS TABL  ists of the follow	.E							
SECTION 4: Physical and COM	Chemical Data  MPONENTS TABL	.E			CONCENTRATOIN	UNITS			
SECTION 4: Physical and COM	Chemical Data  MPONENTS TABL  ists of the follow	.E			CONCENTRATOIN	UNITS			
SECTION 4: Physical and COM	Chemical Data  MPONENTS TABL  ists of the follow	.E			CONCENTRATOIN	UNITS			
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SECTION 4: Physical and COM	Chemical Data  MPONENTS TABL  ists of the follow	.E			CONCENTRATOIN	UNITS			
SECTION 4: Physical and COM	Chemical Data  MPONENTS TABL  ists of the follow	.E			CONCENTRATOIN	UNITS			
SECTION 4: Physical and COM	Chemical Data  MPONENTS TABL  ists of the follow	.E			CONCENTRATOIN	UNITS			
SECTION 4: Physical and COM	Chemical Data  MPONENTS TABL  ists of the follow	.E			CONCENTRATOIN	UNITS			

		aste requires the use of special protective equipment, please explain.	
	ments, note	supporting Documents es, data and/or analysis attached to this form as part of the waste Generator Knowledge	
	•	bilities tibilities (if any):	
Laboratory	analysis of th	s Knowledge Documentation he hazardous waste characteristics, listed below, WAS NOT PERFORMED ng generator knowledge:	
TCLP Metal	s:	x	
TCLP Volati		X	
TCLP Semi-\		X	
Reactivity:		X	
Corrosivity:		X	
Ignitability:		X	
,			
SECTION 9:	Waste Receip	ot Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Requirements for Centralized Waste	<u>Freatment</u>
Facilities)	•		
		rial a wastewater or wastewater sludge?	
	If 'Yes',	complete this section.	
	DI FASE CHE	ECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.	
	I LLASE CITE	on the Althor, Male Box. II No Althor Male Caleboni, Go to the NEAT FACE	
Metals Subc	<u>ategory</u> : Sub	bpart A	
Ļ		roplating baths and/or sludges	
L	-	ning rinse water and sludges	
<u> </u>	Chromate w	vastes n control blow down water and sludges	
<b>-</b>		izing solutions	
		n wastewaters	
	Waste liquid		
<u> </u>		ntaining wastes greater than 136 mg/l	
F		s and bases with or without metals nsing, and surface preparation solutions from electroplating or phosphating operations	
-		eburring wastewater	
-		d acid solutions used to clean metal parts or equipment	
Oils Subcate	<i>gory : Subpai</i> Used oils	rt B	
<u> </u>	=	mulsions or mixtures	
	Lubricants	nusions of mixtures	
	Coolants		
		ted groundwater clean-up from petroleum sources	
	•	leum products	
· <b>-</b>	] Oil spill clea: ] Bilge water		
F		waters from petroleum sources	

☐ Interceptor w	vastes	
Off-specificat	tion fuels	
	l storage remediation waste	
💹 Tank clean-oເ	ut from petroleum or oily sources	
Non-contact	• .	
	oil mixtures from parts cleaning operations	
Wastewater f	from oil bearing paint washes	
Organics Subcategory: Sui	· •	
Contaminated	d groundwater clean-up from non-petroleum sources	
Solvent-beari		
	tion organic product	
Still bottoms		
Byproduct wa		
	from paint washes	
	from adhesives and/or epoxies formulation	
	from organic chemical product operations	
rank clean-ou	ut from organic, non-petroleum sources	
(1) If the waste c	ontains oil and grease at or in excess of 100 mg/L, the w	vaste should be classified in the oils subcategory.
(0)		
	contains oil and grease less than 100 mg/L, and has any ovalues listed below, the waste should be classified in th	
Ca	admium: 0.2 mg/L	
Ch	nromium: 8.9 mg/L	
Co	opper: 4.9 mg/L	
	ickel: 37.5 mg/L	
	oken 373 mg/L	
	contains oil and grease less than 100 mg/L, and does not ve any of the values listed above, the waste should be of Metals Subcategory Oils Subcategory Organics Subcategory	
SECTION 10 Additional Inst	<u>tructions</u>	
Copper, Nickel, and Oil and	e correct subcategory in Section 9 and you did not furnis Grease, CES will send offsite to a commercial laborator The generator will be responsible for the cost of the ar	y a sample to determine these concentrations. This
		urate to the best of
· ·	all known or suspected hazards have been disclose	•
materials tested are repre	esentative of all materials described by this docume	ent.
Authorized Signature:	ER TO	Date: 9/23/08
Printed Name/Title:	Kyan Mont / Opaction	Managed
CES USE ONLY (DO NOT W	VRITE IN THIS SPACE)	
,	,	
Compliance Officer:		
Date:	Approved Rejected	$\dashv$
Approval Number:	. — Approved — Rejected	
Approval Number:		⊢
		· ·



Name of Waste: NASH Production Waste Water, Class 1, Non-Hazardous

Profile:

Attached List: NASH Production Waste Water Chemical Composition

Water: 65 - 93%

Miscellaneous Water Soluble Dissolved Chloride, Sulfate & Hydroxide Salts: 5-25 %

(Sodium, Potassium, Calcium salt types)

Miscellaneous Soluble Organic Sulfur Compound's: 1-10%

Solids: 0.1 - 10% (dirt, grit, rust, filter media, road grime, organic residue)

Ammonia Compounds: 0.0 - 0.5%

Sulfuric Acid: 0.0 - .4%

Sodium Hydroxide: (0.0-.4%)

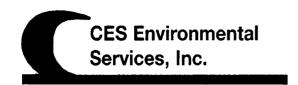
Sulfide: 0.0-50 ppm

List of Remaining constituents: 0-2 %

PHENOL'S
PHENOLIC COMPOUNDS
C2-C4 AMINE'S
SODIUM & POTASSIUM MERCAPTIDES
DIETHYL DISULFIDE

LONG CHAIN MERCAPTANS
OLEFINS
PARRAFINS
DIMETHYL DISULFIDE
IRON OXIDE/RUST

3006 Texmank Chemicals Inc



# Waste Pre-Acceptance/Approval Letter

Date 9/26/2008

Dear Linda Salinas

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3006

Expiration Date 9/26/2010

Generator: Texmark Chemicals, Inc.

Address: 900 Clinton Drive

Galena Park, TX 77547

Waste Information

Name of Waste: Wax

**TCEQ Waste Code #:** 00044031

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Water was added to a heated lube oil additive, once cool it produced a wax

Color: light amber

Odor: slight ammonia

**pH:** 9

**Physical State:** 

Incompatibilities: may react with strong acids or strong oxidizing agents

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.





 6 BAL

U.S. EPA ID Number: TXD008950461 | ISWR Number: 30900

Company:		Chemicals,												
Address:	900 Clint		IIIC.											
City:	Galena p			St	ate:	TX		Zip:		·····				77547
Contact:	Linda Sal					Title:								
Phone Num		713-45	5-1206			- Fax Numb	er:	713-455-	8959			······································	***************************************	
24/hr Phon	e Number	713-49	5-1226		······································	_								
US EPA ID N	lo:	TXD088	3363692			_								
State ID No:	:				30654	SIC Code:								2869
SECTION 2:	Billing Inf	ormation -	<u> </u>	ame as Abo	ove									
Company:		···							···········					
Address:								*:						
City:		***************************************		ST	ate:	Tiele:		_Zip:						
Contact: Phone Num						_Title: _Fax Numb				·				
Phone Num	per:					_ rax wumb	er:							
SECTION 3:	General D	Description	of the Was	ite										
			<u> </u>											
Name of Wa	iste:	Wax												
Detailed De	scription o	of Process 6	enerating	Waste:				······						
	•		_											
Water was a	dded to a	heated lub	e oil additi	ve, once co	ol it proc	luced a war	۲.							
Physical Stat	te: 🗌	Liquid		Si	udge			Powder						
	~	Solid		☐ Fil	ter Cake	!		Combina	tion					
								<b>.</b>						
Color:	Light Ami	<u> </u>				Odor:		Slight am	monia					
Consider Con-	des la compa	11.	NI /A					Donaitus	NI /A	i	lb	a f		
Specific Grav	vity (wate	τ= <b>1</b> );	N/A	\		•		Density:	N/A		lbs/g	dì.		
Does this ma	aterial cor	ıtain anv to	tal nhenni	ic compour	nds?	г	Yes	IJ	No					
D003 11113 1110	atanai 401	tum any co	tu, pitenoi	io compour	,,,,,	ليا		<b></b>	,					
Does this ma	aterial cor	itain any pa	ra substiti	uted pheno	lic comp	ounds?		П	Yes	V	No			
		, ,,								_				
Is the Waste	subject t	o the benze	ne waste	operation N	IESHAP?	(40 CFR Pa	ırt 6	1, Subpart	FF)			Yes	V	No
Answer "Yes	-			-		-	_			follow	ing:			
2812	28	13	2816	281 <del>9</del>	2821	2	822	282	3	2824		2833		2834
2835	28	36	2841	2842	2843	2	844	285	1	2861		2865		2869
2873	28	74	2876	2879	2891	2	892	289	3	2896		2899		2911
3312	49	53	4959	9511										
Layers:	☑ s	ingle-phase	. 🗆	Multi-ph	ase									
	_	_												
Container Ty	rpe:	_ Drum	☐ Tota	e ☑ Tro	ıck 📋	Other (exp	olain	1)						
Frequency:	☐ Week	dy 🗹 Moi	nthly 🗆	Yearly 🗍	One-Ti	me								
Ouantitus				1500										

		ous Waste" per oplete, sign and			☐ Ye dous Constitue		No ched hereto		
	tic for Toxic N	] D001 (Ignitab Metals: Organics: D012	☐ D004 ☐ D010	□D011	□ D00	☐ D003 (Read 6 ☐ D007	<u>.</u>	☐ D009	9
	Is this an "F" or "K" Listed waste or mixed with one?								
40 CFR 261.	33(e) or (f)?	luct or spill cle	☐ Y	ould carry a		aste code un	der		
	Waste Code		, .	00044031					
Proper US D Class:	OT Shipping		Non-Hazard	<u>-</u>	gulated Solid	24.			
Class:		UN/NA:	<del></del>	PG:		_RQ:			
Flash	Point	рH	ı	Reactiv	e Sulfides	Reactive	Cyanides	So	lids
>1/	46F	9		N/A	mg/l	N/A	mg/l	100	%
Oil & (	Grease	TO	С	Z	inc	Сор	per	Nic	kel
>1500	<u>mg/l</u>	BRL	<u>mg/l</u>	BRL	mg/l	BRL	mg/l	BRL	<u>mg/l</u>
SECTION 4:		Chemical Data	il E			CONCENT	RATOIN		UNITS

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
-Water-	<del>-60-70</del>	%
OLOA 340D Lube Oil Additive Sly 14 9	-30-40 (00	%
	<u> </u>	

	<ol><li>Safety Relading of this w</li></ol>	ated Data vaste requires the use of spec	ial protective equipme	ent, nlease explair	1	
		lasses, gloves, etc.	an brozestise estatistis	erre, preuse exprair	•	
<del></del>			***************************************			<del></del>
SECTION (	6: Attached S	upporting Documents				
List all do	cuments, note	s, data and/or analysis attacl	ned to this form as par	t of the waste		
approval p	oackage.	MSDS for OLOA 340D				<del></del>
	7: Incompatib	<del></del>				
	•	ibilities (if any):				
May react	with strong a	cids or strong oxidizing agent	:S			
SECTION 8	: Generator's	s Knowledge Documentation	1			
Laboratory	y analysis of th	ne hazardous waste character	ristics, listed below, W	AS NOT PERFORM	/IED	
based upo	n the followin	g generator knowledge:				
TCLP Meta	sle	#15P A.				
TCLP Volat		BRL				
TCLP Semi		BRL ×	<del>V. 14</del>			
Reactivity:		Non-Reactive 7				
Corrosivity		Non-Corrosive ×				
Ignitability		Non-Ignitable				
Prisconnich	•					
SECTION 9:	Waste Receipt	t Classification Under 40 CFR 43	37 (Prtaining to Pre-Trea	tment Requiremen	nts for Centralized Wa	ste Treatment
Facilities)				_		
		ial a wastewater or wastewater	· sludge?	∐ YE	ES 🔽 NO	
	n res,	complete this section.				
	PLEASE CHEC	CK THE APPROPRIATE BOX. IF N	IO APPROPRIATE CATEG	GORY, GO TO THE N	EXT PAGE.	
Metals Sub	<u>cateaory</u> : Sub <sub>l</sub>	part A				
Ļ		oplating baths and/or sludges		•		
F	☐ Metal finishii ☐ Chromate wa	ng rinse water and sludges				
F	=	control blow down water and s	ludges			
Ē	Spent anodiz					
	Incineration	•				
	☐ Waste liquid					
Ļ		taining wastes greater than 136				
<u> </u>		and bases with or without meta sing, and surface preparation so		tina or phosphating	onomians	
	_	burring wastewater	nutions from electropia	ung or priospilating	Operations	
		acid solutions used to clean me	tal parts or equipment			
Oils Subcate	<u>egory</u> : Subpar	t B				
	Used oils					
	=	ulsions or mixtures				
=	Lubricants Coolants					
F	=	d groundwater clean-up from p	etroleum sources			
	Used petrole					
	Oil spill clean	-up				
	Bilge water					
L	_J Rinse/wash w	vaters from petroleum sources				

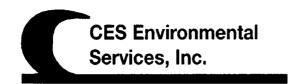
<u>L</u>	Interceptor wastes		
<u>L</u>	Off-specification fuels		
<u> </u>	Underground storage remediation waste		
<b> -</b>	Tank clean-out from petroleum or oily sources		
H	Non-contact used glycols  Aqueous and oil mixtures from parts cleaning operations		
F	Wastewater from oil bearing paint washes		
	•		
Organics Sub	<u>ocategory</u> : Subpart C		
	Landfill leachate		
<u> </u>	Contaminated groundwater clean-up from non-petroleum sources		
느	Solvent-bearing wastes		
	Off-specification organic product Still bottoms		
<b> </b>	Byproduct waste glycol		
H	Wastewater from paint washes		
	Wastewater from adhesives and/or epoxies formulation		
	Wastewater from organic chemical product operations		
	Tank clean-out from organic, non-petroleum sources		
(1)	and the second s	al. (11) .l(8)l.)a	.b
	If the waste contains oil and grease at or in excess of 100 mg/L, the was	te should be classified in t	ne ous subcategory.
(2)			
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of t	he pollutants listed below	in concentrations in
	excess of the values listed below, the waste should be classified in the r		
	Cadmium: 0.2 mg/L		
	Chromium: 8.9 mg/L		
	Copper: 4.9 mg/L		
	Nickel: 37.5 mg/L		
	Micket, 57.5 Hig/L		
(3)	If the waste contains oil and grease less than 100 mg/L, and does not he or nickel above any of the values listed above, the waste should be class.  Metals Subcategory  Oils Subcategory Organics Subcategory		
SECTION 10	Additional Instructions		
Copper, Nicke	determine the correct subcategory in Section 9 and you did not furnish a el, and Oil and Grease, CES will send offsite to a commercial laboratory a o acceptance. The generator will be responsible for the cost of the analy	sample to determine thes	
SECTION 11	Generator's Certification		
	tion contained herein is based on  generator knowledge a	nd/or 🔲 analytical	data
	tion contained herein is based on generator knowledge a cify that the above and attached description is complete and accurate		uata.
-	ge and ability to determine that no deliberate or willful omissions	•	
	xist and that all known or suspected hazards have been disclosed.		
materials tes	sted are representative of all materials described by this document	'.	m. 1 /
			9/25/08
Authorized S	ignature:	Date:	1/23/00
<b>Printed Nam</b>	ne/Title: Linda Salinas		
CES USE ONL	Y (DO NOT WRITE IN THIS SPACE)		
	() , AT . A		
Compliance (	Officer: Jehn Gygl		
Date: C	7-26-08 □VApproved □ Rejected		
Approval Nu			



1. Base Pricing (including freight):
\$85/yard Trans \$70/hour + FSC
2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing:
4. Special Testing Requirements:
5. Treatment and Handling Protocol:
Redirect as a class 1 solid sindy e
The direct as a class 1 some 3 (4 May 8)
6. Treated Wastewater Discharge Subcategory:
C. T. Calles T. Callettator Bibaliar Bo announce Bary.
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



7. Tests for Product Recovered/Recycled (if applicable):	
·	
8. Management for Product Recovered/Recycled (if applicable)	



# Waste Pre-Acceptance/Approval Letter

Date 9/29/2008

Dear Josh Pederson

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # -3007

Expiration Date 9/29/2010

**Generator:** Fluid Sealing Products

Address: 8910 Scranton

Houston, TX 77075

**Waste Information** 

Name of Waste: Nonhazardous phosphate wastewater

**TCEQ Waste Code #:** 00011191

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Keycote 36, Aeroclean DN30, water, oil from teflon coating of carbon steel

**Color:** clear to brownish

Odor: mild pH: 2-12

**Physical State:** 

**Incompatibilities:** high pH material **Safety Related Data/Special Handling:** 

level d, prtoective gloves

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



P. 002/006



#### 4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com TCEQ industrial Salid Waste Permit Number: 30948

ISWR Number: 30900

U.S. EPA ID Number: TXD0D895D461

				_										
SECTION 1:														
Company:	8910 5		Product	<u> </u>										
City:	Houst		oti			State:	TX		21p:			77	075	
Contact:	Michai		in	_			Title:		_ <b>~</b> p.				<u> </u>	
Phone Num			713-90	6-8683				mbers	713-910-	1227	_			
24/hr Phone		er		106-8	683	-								
US EPA ID N	lo:		na											
State ID No:	•					874	78 SIC Co	e:	ΛĐ					
SECTION 2:					Some as									
	ELuc				15 Z	_								
Address:	155		uta be	<u> 16 Z</u>	ndust.		prive						<u> </u>	
CITY:	Hoce					State:	, <u>Tx</u>		Zip:		70		<u> </u>	
Contact: Phone Numi	<u>7/3</u>	- //				Dear			Bene			ANA	<del>7</del> 8/	
Pridrio Mum	adr:			906-2	1028		Fax Nu	mueri	713 -	7/0	-17	2/-		
SECTION 3:	Genera	i Des												
	<u> </u>				IN No.									
Name of We	aste:		Non Ha	zardous F	hosphate	. Waste v	vater							
Detailed De	scriptio	n of P	rocess G	eneratin	g Wasto:		Keycon	36, A	eroclean D	W ,0EM	ater, of	l, from		
Tefion contin														
		_												
Physical Star	te;	<u> </u>	Uquid			Sludge			Pawder					
			Solid			Fliter C	ricq		Combine	tion				
P-1		. b	atal-				04		_114					
Color:	cleart	orgv	บกเรก		<del></del>	•	Odon		mild					
Specific Grav	vitv (w:	ter=1	1:	-1					Density:	~8.34		ibs/gal		
	(		.,.				<del></del>					<u>D</u>		
Does this ma	atarial c	ental	n anv to	tal shend	مائد جمسه	ounds?		Yes	J	No				
				,	•		_			_				
Does this ma	aterial :	:ontal	n any pa	ıra şubşti	tuted pho	enolic co	mpounds?			Yes	<b>9</b>	No		
												_	_	_
is the Waste	: subjec	t to th	ie peuse	no waste	operatio	n NESHA	JP? (40 CFR	Part 6	1, Subpari	:FF)		☐ Ye	s [	⊒ No
Answer "Yes	i" If you	r was	te contai	ns benze	ne AND If	the SIC o	ode from 1	rour fac	cility is one	of the	followi			
2812		2813		2816	2819		121	2822		_	2824	_	833	283
2835		2836		2841	2842		A3	2844			<b>2861</b>	_	865	286
2873		2874		2876	2879		91	2892	289	3	2896	2	899	291
3312		4953		4959	9511									
Layers:	•	Sing	le-phase	: [	] Multi	-phase								
Container T	Md:	<b>J</b>	Drum	🗀 το	ote 🗆	Truck	Cthor (	explain	n)				,	
Frequency:	□ w	eekiy	□ Mo	nthly [	Yearly	☑ One	-Time							

Is this a USEPA "Hazard If "Yes", then please	•		3?		Yes	V	No		
If "Yes", Is it:		☐ D004 ☐ D010	□ D01	5 🔲 1	у) D006	D003 (Read D007	<u> </u>	□ <b>D</b> 009	
Is this an "F" or "K" List If "Yes", then please I			?		Yes		No		
Is this a commercial pro 40 CFR 261.33(e) or (f)? If "Yes", then please i	•	. □ Y		a "U" or "P No	" was	ste code un	der		
Texas State Waste Code			(	00011191					
Proper US DOT Shipping Name: Non-RCRA,		Non-RCRA,	non hazardous wastewater						
Class: na	_UN/NA:	na	PG:	na		RQ:	na		-
Flash Point	lq lq		Read	tive Sulfides		Reactive	Cyanides	Soli	ids
>160	2-1		<50	mg/l		<50	mg/l	0-2	%
Oil & Grease	то	С	Zinc			Copper		Nickel	
<1500 <u>mg/l</u>	<1500	mg/l	0	mg/l		0	mg/l	0	mg/l

SECTION 4:	Physical	l and Chemical	Data

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
water	20-60	%
oil/grease	1-5	%
solids	0-2	%
Aeroclean DN30	20-40	%
Keycote 36	10-25	%
	· · · · · · · · · · · · · · · · · · ·	
	<del></del>	

SECTION 5: Safety Rol:	ated Data
	vaste requires the use of special protective equipment, please explain.
Lovel D, + protective gir	aves
SECTION 6: Attached S	Supporting Documents
	es, data and/or analysis attached to this form as part of the waste
approval package.	analysis
SECTION 7: Incompatit	bilities
Please list ALL incompar	
Hich P	H materials
SECTION 8: Generator'	's Knowledge Documentation
	he hozordous waste characteristics, listed below, WAS NOT PERFORMED
based upon the following	ng generator knowledge:
TCLP Metals:	
TCLP Volatiles:	x
TCLP Semi-Volatiles:	*
Reactivity: Corrosivity:	
Ignitability:	
.D.monnut.	
SECTION 9: Generator'	
	ned herein is based on 🔃 generator knowledge and/or 🔃 analytical data.
	above and attached description is complete and accurate to the best of
_	ity to determine that no deliberate or willful omissions of composition
	it all known or suspected hazards have been disclosed. I certify that the presentative of all materials described by this document.
materials tested are teh	MESERCALIVE OF AN INACERNA'S DESCRIBED BY THIS GOLDINGTIC
Authorized Signature:	Date: 9/29/2008
Printed Name/Title:	Michael Dem DAVES General Manager
CES USE ONLY (DO NOT	WRITE IN THIS SPACE)
(	$\alpha$ $\alpha$ $\lambda$ $\lambda$
Compliance Officer:	Low with the
Date: 9-29-08	M Approved ☐ Rejected
Approval Number:	3007

# SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? If 'Yes', complete this section.

YES NO

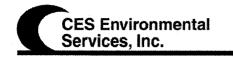
PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Metals Subcategory: Subpart A
Spent electroplating baths and/or sludges
Metal finishing rinse water and sludges
Chromate wastes
Air pollution control blow down water and sludges
Spent anodizing solutions
Incineration wastewaters
Waste liquid mercury
Cyanide-containing wastes greater than 136 mg/l
Waste acids and bases with or without metals
Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
Uibratory deburring wastewater
Alkaline and acid solutions used to clean metal parts or equipment
A strained and data solutions ascar to dean metal parts of equipment
Oils Subcategory: Subpart B
Used oils
Uil-water emulsions or mixtures
Lubricants
Coolants
Contaminated groundwater clean-up from petroleum sources
Used petroleum products
Oil spill clean-up
☐ Bilge water
Rinse/wash waters from petroleum sources
Interceptor wastes
Off-specification fuels
Underground storage remediation waste
Tank clean-out from petroleum or oily sources
Non-contact used glycols
Aqueous and oil mixtures from parts cleaning operations
Organics Subcategory: Subpart C
Landfill leachate
Contaminated groundwater clean-up from non-petroleum sources
Solvent-bearing wastes
Off-specification organic product
Still bottoms
Byproduct waste glycol
Wastewater from paint washes
Wastewater from adhesives and/or epoxies formulation
Wastewater from organic chemical product operations
Tank clean-out from organic, non-petroleum sources

(1)	
	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
	Cadmium: 0.2 mg/L
	Chromium: 8.9 mg/L
	Copper: 4.9 mg/L
	Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	Metals Subcategory
	Oils Subcategory
	Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



1. Base Pricing (including freight):
\$65/drum
2. Contamination Limit (maximum limit before surchages apply):
Non-conforming to profile
3. Surcharge Pricing:
Nove
4. Special Testing Requirements:
None
5. Treatment and Handling Protocol:
Class 1 to landtill - hiquids
Class 1 to landfill - hiquids or. Put in Newpork Accumulation tank (if room)
6 Tracted Wastewater Discharge Subsetageny
6. Treated Wastewater Discharge Subcategory:
Subcategory A Subcategory B Subcategory C



· · · · · · · · · · · · · · · · · · ·	Recovered/Recycled (if applicable):	
NA		
		<u></u>
. Management for I	roduct Recovered/Recycled (if applicable)	
	roduct Recovered/Recycled (if applicable)	
Management for I	roduct Recovered/Recycled (if applicable)	

## ENVIRON EXPRESS LABORATORIES, INC.

401 N. 11th. St. La Porte, TX 77571 281.471.0951 FAX:281.471.5821

CERTIFICATE OF ANALYSIS NO:

62730.01

1of 1

Customer: CES

Sample ID: Phosphate W/W

Environ ID: 62730.01

Project ID: Fluid Seal Project Loc: HOU., TX

Matrix: Liquid

Sampled: 12-20-07 Received: 12-20-07

Charge/P.O.:

Type: Grab

Reported: 01-03-08

RECEIVED BASIS

ANALYTE /	R	ESULT	UNITS	REG.	MQL	TEST	ANALYST	DATE	TIME
PARAMETER			<u> </u>	LIMIT	<u> </u>	METHOD			
BENZENE - TCLP									
Benzene	<	0.001	mg/l	<b></b>	0.001	SW846.8021B	DMB	12-26-07	18:37
RCI	ł				l				
Reactive Cyanide	<	50	mg/kg	250	50	EPA SW846.7.3.	LC	12-21-07	09:30
Reactive Sulfide	<	50	mg/kg	500	50	EPA SW846.7.3.4	LC	12-21-07	09:45
Corrosivity (Ph)	1	3.07	su	=>2; =<12.5		PA SW846.9045	JA	12-20-07	17:30
Ignitability	>	160	°F	> 140		EPA SW846.101	LC	12-26-07	11:15
METALS (RCRA) - TCLP	1				ì	SW846.1311	MN	12-20-07	
Arsenic	<	0.02	mg/l	5.00	0.02	SW846.6010B	JA	12-21-07	13:19
Barium	<	0.02	mg/l	100	0.02	SW846.6010B	JA	12-21-07	13:19
Cadmium		0.12	mg/l	1.00	0.02	SW846.6010B	JA	12-21-07	13:19
Chromium	1	80.0	mg/l	5.00	0.02	SW846.6010B	JA	12-21-07	13:19
Lead	<	0.02	mg/l	5.00	0.02	SW846.6010B	JA	12-21-07	13:19
Selenium	<	0.05	mg/l	1.00	0.05	SW846.6010B	JA	12-21-07	13:19
Silver	<	0.05	mg/l	5.00	0.05	SW846.6010B	JA	12-21-07	13:19
Mercury	<	0.002	mg/l	0.200	0.002	SW846.7470A	MN	12-21-07	09:40
	_					<u> </u>			

Definitions:

TCLP - Toxcisity Charasteric Leaching Procedure

su - Standard Units

REG - Regulatory Limit (User Should Confirm Limits) MQL - Method Quanitation Limit

PPM - Parts Per Million

mg/l - PPM by Volume, mg/kg - PPM by Weight

John Keller, Ph.D Laboratory Director

# **ENVIRON EXPRESS QUALITY CONTROL REPORT**

ANALYSIS:	BTEX	METHOD: EF	PA SW846/5030/8021B	MATRIX:	LEACHATE

ANIALNOT	The state of the s	IUNITS:	/1	INO.SAMPLES:	40 1
ANALYST:	dmb	11 1011 1 2.	man	INICI SAMPLES.	マン リ
IIANALYST:	unn	IOMIC.	mg/l	INO.OAMI EEO.	12 1

SAMPLES:	62721-01	62727-01	62727-02	62727-03	62727-04	62730-01	62734-01	62746-01
	62752-01	62752-02	62754-01	62754-02				

MATRIX	MATRIX	SPIKE	MS	MS	MSD	RPD	CCV	MB	QC LIMI	ΓS (%)
62727-01	RESULTS	ADDED	RESULTS	REC	REC		REC		REC-RANGE	RPD
BENZENE	0	100	88	88	95	8	88	0	60 - 120	20
TOLUENE	0	100	88	88	92	5	94	0	60 - 120	20
Et-BENZENE	0	100	86	86	86	1	89	0	60 - 120	20
XYLENES	0	300	303	101	100	1	97	0	60 - 120	20
MTBE	0	100	116	116	109	6	106	0	60 - 120	20

KEY:

BTEX - Benzene (BENZ), Toluene (TOL) Ethylbenzene (ETBZ), Xylenes (XYLS)

MTBE - Methyl-tert-butyl ether

**CCV - Continuing Calibration Verification** 

MB - Method Blank

MS - Matrix Spike

MSD - Matrix Spike Duplicate

RPD - Relative Percent Difference

REC - Recovery Percent

Lab.Dir./QA-QC Mgr.

1/2/08

# **ENVIRON EXPRESS QUALITY CONTROL REPORT**

ANALYSIS:	METALS		METHOD:	EPA SW84	6/6010		MATRIX:	LIQUID
ANALYST:	JA	IDATE:	12.21.07	IUNITS:	PPM (mg/l)		INO.SAMPLES:	
ANALISI.		IDATE.	12.21.01	JOINTO.	T F W (High)		INO.SAMPLES.	الصبالديد
SAMPLES:	62729.01	62727.01	62727.02	62727.03	62727.04	62731.01	62722.01	62723.01
SAMI LLO.	62725.01	62728.01		02727.00	02727.04	02701.01	02/22.01	02/23.01
1	J			1	I			1

MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS

										_
SAMPLE	SAMPLE	SPIKE	SPIKE	RECOV.	RECOV.	REL.	CONT.	METHOD	QC LIN	AITS
Matrix	RESULTS	ADDED	RESULTS	%	DUP. %	DIFF. %	CALIB.	BLANK	RECOV.	DIFF.
Arsenic	0.00	5	4.63	93	95	3	92	0	75 - 125	20
Barium	0.00	5	4.60	92	95	3	100	0	75 - 125	20

0.00 4.43 89 92 98 0 Cadmium 75 - 125 20 5 4.51 94 90 4 94 0 Chromium 0.00 75 - 125 20 20 0.00 5 4.42 88 93 5 95 0 75 - 125 Lead 0.00 5 4.70 94 101 97 0 75 - 125 Selenium 20 0.00 5 4.35 87 91 99 0 75 - 125 20 Silver

> JOHN KELLER, Ph.D Laboratory Director

BATCH ID:

62729.01

# **ENVIRON EXPRESS QUALITY CONTROL REPORT**

ANALYSIS:	MERCURY	METHOD: EPA SW846/7471	A MATRIX: LIQUID
PARAMET CIO.	MILITOUTT	131E 11 10 B. E. 1 1 CO 10 10 17 17	INSTITUTE EIGOID

ANALYSTS: MN	DATE:	12.21.07	UNITS:	mg/l	NO.SAMPLES:	8

SAMPLES:	62725.01	62727.01	62727.02	62727.03	62727.04	62728.01•	62730.01	62731.01

# MATRIX SPIKE & MATRIX SPIKE DUPLICATE ANALYSIS

SAMPLE	SAMPLE	SPIKE	SPIKE	RECOV.	RECOV.	REL.	CONT.	METH.	CORR.	QC LI	MITS
Matrix	RESULTS	ADDED	RESULTS	%	DUP. %	DIFF.	CALIB.	BLANK	COEFF.	RECOV.	DIFF.
MERCURY	0.00	0.002	0.002	110	105	5	100	0	1	60 - 120	20

JOHN KELLER, Ph.D Laboratory Director

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	CHAIN OF CUSTODY Results To:								Invoice To:										T	TAT (WORKING DAYS) CIRCLE ONE				
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Express Laboratories	Page of	Addre	Address:						Address:										s	hipment Sealed?	s	amples Sea	aled?	
CHIMDON EVED		4904 Grags Rd																(Yes) No			No			
ENVIRON EXPRESS LABORATORIES, INC. 401 North 11th. St. / La Porte, Texas 77571-3115									City:			)	State: Zip:						ľ	leceived on Ice?	١	amples Inta	No	
(281) 471-0951 / (800) 880-0156										):		<del>/</del>							d	Cooler Temp. (°C)	F	reservative	Shown?	
Fax: (281) 471-5	821 / After Hours: (281) 844-20		<u> 7132</u>	676	= 1	ָל יַ			Fax:			<u> </u>							7	206	Y	es (No	NA .	
e-mail: environex Project Name:		e-Mai Sampler Rer		<sup>2</sup> Cntr.	Type		Ţ		PO#:	- 1	_	$\stackrel{\sim}{}$		Quote	#:	1	<del>-</del>		-	fold Time OK?		les Cl2 Ch	(NA)	
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EEL USE ONLY	SAMPLE ID.		DATE/TIME	MATRIX	(C)OMP / (G)RAB	втех	TPH (TX1005.3)	BCI	PAH	VOLATILES	SEMI-VOLS	RCRA 8 METALS	12	-		l		İ	- 1					
(LAB NO.)			SAMPLED			8	F	Ĕ	<u>-</u>	<u>ک</u>	Š	ă	1				-		$\dashv$					
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5,	S:Soil W:Water WW:Waste Water SL:Sludge SO:Solid SE:Sediment L: Leachate WI:Wipe OR:Organic OL:Oil DS:Drum Solid DL:Drum Liquid O:Other																							
P:Plastic G:Glass V:VOA Glass O:Other									<sup>3</sup> Preservative Key 1:lce(<4°C) 2:HCL 3:H2SO4 4:HNO3 5:NaOH 6:NaOH+Zn Acetate 7:Na2S2O3 8:None															
P:Plastic G:Glass V:VOA Glass O:Other																								



Manufacturers of Industrial Gaskets - Packings - Bolts

## To Whom It May Concern:

Fluid Sealing Products has moved to a new location. Please change CES Profile# 3007 (Waste Water)

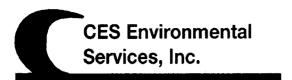
To reflect our new address 155 Southbelt Industrial Drive, Houston, Texas 77047. Please change the following: Change our EPA ID Number to TXCESQG and our state registration to CESQG. Additionally, please change the waste code number on that profile to CESQ1191 as we have not received our new notice registration yet. When we receive our new NOR we will correct the manifest to reflect the new waste code assigned to this location. These change are temporary, and you will be notified when we receive our new NOR to our new location.

Thanks.

Michael D. Davis

Plant Manager ""

Fluid Sealing Products



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# **Material / Product Approval Letter**

Date 9/30/2008

Dear **Robbie Preston** 

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # -3008

Expiration Date 9/30/2010

Address:

**Producer:** Martin South Dock

365 AJ Estay Road Fourchon, LA

Material / Product Information

Name of Material / Product Methanol water with green dye

**Container Type:** 

Detailed Description of Process Generating or Producing the Material / Product:

Unused product

Color: lime green

**Odor:** alcohol water

pH: neutral

**Physical State:** 

Incompatibilities: strong oxidizing agents Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. Material needs an outlet to sell to prive approved. Mos for greendye. Hone: (712)

## **CES Environmental** Services, Inc.

JB

4904 Griggs Road **Phone:** (713) 676-1460

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 **ISWR No: 30900** 

	_ K' W								
SECTION 1. Mate	swich Burdaness Information								
Company:	erial Producer Information  Martin South Dock								
Address:	365 AJ Estay Road								
City, State, Zip:	Fourchon, LA								
Contact:	Louis McWilliams	Title:							
Phone No:		Fax No:							
24/hr Phone:		A BATTO	<del></del>						
U.S. EPA I.D. No:									
State I.D.		SIC Code:							
<b>SECTION 2: Billin</b>	ng Information – 🔲 Same as Above								
Company:	Preston Environmental								
Address:	PO Box 697								
City, State, Zip:	Denham Springs								
Contact:	Robbie Preston	Title:							
Phone No:	(225) 664-7767	<b>Fax No:</b> (225) 664-8655							
	eral Description of the Material / Pr								
Name of Material / Detailed Descriptio	Product: Methanol water with green n of Process Generating or Produci	ng the Material / Product: UNUS &	product						
Physical State:	<ul><li>☑ Liquid</li><li>☐ Sludge</li><li>☐ Solid</li><li>☐ Filter C</li></ul>	☐ Powder ake ☐ Combination							
Color: Lime green	Odor: alcohol v	vater							
Specific Gravity (w	ater=1): <u>.79</u> Density: <u>&gt;8</u>	lbs/gal	·						
Does this material o	contain any total phenolic compoun	ds? 🗌 Yes 🛮 No							
Does this material o	contain any para substituted phenol	ic compounds?  Yes No							
Layers:	⊠ Single-phase ☐ Mo	ulti-phase							
Container Type:	☐ Drum ☐ Tote	⊠ Truck □	Other (explain)						
Container Size:		<u>5000 Gal</u>							
		<del></del>							
Frequency:	☐ Weekly ☐ Month		Yearly						
Number of Units (c	ontainers): 4 Other:	<u> </u>							
	Produt	_							
Proper U.S. DOT S		1230, Methanol, 3, PG II (For Recycle)							
Class: 3	UN/NA: UN1230		<b>RQ:</b> 5000						
-246GG. J	O14/14/1. O141230	1.A. ÍII	<b>NQ.</b> 2000						

Flash Point 50 F	pH neutral	N/A	N/A	Solids 1%
Oil&Grease	TOC	Zinc	Copper	Nickel
<u>0</u> mg/l	0mg/l	Omg/l	Omg/I	Omg/I

#### **SECTION 4: Physical and Chemical Data**

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Methanol	85-90	%
Water	10-15	%
Green dye	.15	%

#### **SECTION 5: Safety Related Data**

If the handling of this material / product requires the use of special protective equipment, please explain. Standard

#### **SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile.  $\underline{MSDS}$ 

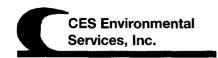
#### **SECTION 7: Incompatibilities**

Please list all incompatibilities (if any):

Storng oxidizing agents

### **SECTION 8: Material Producer's Certification**

SECTION 6. Waterial Hounter's Certification	
The information contained herein is based on $\square$ generator knowledge attached description is complete and accurate to the best of my knowledge of composition properties exist and that all known or suspensed are representative of all materials described by this document.	nowledge and ability to determine that no deliberate or willful
Authorized Signature:	Date:
Printed Name/Title:	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager:     Date: 9-24-08   Approved   Rejected	
Approval Number: 3008	



1.	Base Pricing (including freight):
	\$.05/gallon ( PA-1)
2.	Contamination Limits (maximum limit before surcharges apply):
3.	Surcharge Pricing:
ļ	
ļ	
1	Special Testing Dequivements
4.	No pretreatment. Sell as Product. Call Juy for details
	•
5.	Treatment and Handling Protocol:
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



7.	Tests for Product Recovered/Recycled (if applicable):
8.	Management for Product Recovered/Recycled (if applicable);

63,000 gals. 13% HzC

methano1%20bu1k%20msds[1]

UNIVAR USA - MSDS Univar USA Inc. 17425 NE Union Hill Road Redmond, WA 98052 (425) 889-3400

For Emergency Assistance involving chemicals call - CHEMTREC (800) 424-9300

The Version Date and Number for this MSDS is: 01/09/2007 - #002

\*\*\*\*\*\*\*\*\*\*\*\*\*

PRODUCT IDENTIFICATION

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

PRODUCT NAME:

**METHANOL** 

MSDS#:

EZ64835

DATE ISSUED:

09/30/2003

**SUPERSEDES:** 

NEW

ISSUED BY:

009292

This MSDS was reviewed on 01/09/2007, and is

current as of the DATE ISSUED above.

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name** 

**Methanol** 

Distributed by: Univar USA Inc. 17425 NE Union Hill Road Redmond, WA 98052 425-889-3400

Chemical Name Synonym(s) Molecular Formula Molecular Weight methanol 982893 CH40 32.04 solvent

Product Use OSHA Status

hazardous

For emergency transportation information, call CHEMTREC at 800-424-9300

2. COMPOSITION INFORMATION ON INGREDIENTS

(Typical composition is given, and it may vary. A certificate of analysis can be provided, if available.)

Weight % 100%

Component

CAS Registry No.

methanol

67-56-1

3. HAZARDS IDENTIFICATION

DANGER!

Page 1

#### methano1%20bu1k%20msds[1]

FLAMMABLE LIQUID AND VAPOR
MAY BE FATAL OR CAUSE BLINDNESS IF SWALLOWED
CANNOT BE MADE NONPOISONOUS - VAPOR HARMFUL
HARMFUL IF ABSORBED THROUGH SKIN

HMIS(R) Hazard Ratings: Health - 2\*, Flammability -3, Chemical Reactivity - 0

HMIS(R) rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

#### 4. FIRST-AID MEASURES

Inhalation:

Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician or poison control center immediately.

Eves:

Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

Skin:

Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician or poison control center immediately. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes.

Indestion:

Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.

Note to Physicians: Symptoms of poisoning may not appear for several hours. Keep under medical supervision for at least 48 hours.

#### 5. FIRE FIGHTING MEASURES

Extinguishing Media:

water spray, dry chemical, carbon dioxide, alcohol foam

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing. Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire.

Hazardous Combustion Products: Carbon dioxide, carbon monoxide

Unusual Fire and Explosion Hazards: Vapors may cause a flash fire or ignite explosively. Vapors may travel considerable distance to a source of ignition and flash back. Prevent buildup of vapors or gases to explosive concentrations.

Sensitivity to Static Discharge: Material is unlikely to accumulate a static charge which could act as an ignition source.

#### 6. ACCIDENTAL RELEASE MEASURES

Wear appropriate personal protective equipment. Eliminate all ignition Page 2

methanol%20bulk%20msds[1]
sources. Absorb spill with vermiculite or other inert material, then place
in a container for chemical waste.

For Large Spills: Use water spray to disperse vapors and dilute spill to a nonflammable mixture.

Prevent runoff from entering drains, sewers, or streams.

#### 7. HANDLING AND STORAGE

Personal Precautionary Measures: Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Do not taste or swallow. Use only with adequate ventilation. Wash thoroughly after handling.

Prevention of Fire and Explosion: Keep away from heat, sparks, and flame. Keep from contact with oxidizing materials. Use only with adequate ventilation. Comply with all national, state, and local codes pertaining to the storage, handling, dispensing, and disposal of flammable liquids.

Storage:

Keep container tightly closed and in a well-ventilated place.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Country specific exposure limits have not been established or are not applicable unless listed below.

**METHANOL** US. ACGIH Threshold Limit Values Time Weighted Average (TWA): 200 ppm, US. ACGIH Threshold Limit Values
Short Term Exposure Limit (STEL): 250 ppm, US. ACGIH Threshold Limit Values Skin designation: Can be absorbed through the skin. METHYL ALCOHOL US. NIOSH: Pocket Guide to Chemical Hazards Recommended exposure limit (REL): 200 ppm, 260 mg/m3 US. NIOSH: Pocket Guide to Chemical Hazards Short Term Exposure Limit (STEL): 250 ppm, 325 mg/m3 US. NIOSH: Pocket Guide to Chemical Hazards Skin designation: Can be absorbed through the skin. METHYL ALCOHOL; METHANOL US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants Time Weighted Average (TWA) Permissible Exposure Limit (PEL): 200 ppm. 260 mg/mUS. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants Ceiling Limit Value: 1,000 ppm, US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants Short Term Exposure Limit (STEL): 250 ppm, 325 mg/m3 US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants Skin designation: Can be absorbed through the skin.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) PEL: 200 ppm, 260 mg/m3

Ventilation:

methano1%20bu1k%20msds[1]

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Respiratory Protection: If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: full-face positive-pressure

Eye Protection: Wear safety glasses with side shields (or goggles). Wear a full-face respirator, if needed.

Skin Protection: Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.

Recommended Decontamination Facilities: Eye bath, washing facilities, safety shower

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Liquid Color: Colorless Odor: Sweet, alcohol 100 ppm Odor Threshold: Specific Gravity: 0.79 (20 Vapor Pressure: Vapor Density: 21 C; 133 mbar Freezing Point: -98 C Boiling Point: 65 2.6 (n-butyl acetate = 1 Evaporation Rate: 0.2 **Evaporation Rate:** (diethyl ether = 1)0.58 mPa.s (20 C), **Viscosity:** Solubility in Water: Complete Not applicable Octanol/Water Partition Coefficient: P: 0.17; log P: -0.77 10 C (Tag closed cup) 6.61 %(V) Flash Point: Lower Flammable Limit: Upper Flammable Limit: 36.5 %(v) Autoignition Temperature: 446 C (ASTM D2155)
Thermal Decomposition Temperature: (DTA) No exotherm to boiling

#### 10. STABILITY AND REACTIVITY

Stability: Stable.

air-supplied

Incompatibility: Material reacts with strong acids, strong bases. Material reacts violently with strong oxidizing agents

Hazardous Polymerization: Will not occur.

#### methano1%20bu1k%20msds[1]

#### 11. TOXICOLOGICAL INFORMATION

#### General:

Prolonged and repeated exposure to high vapor concentrations, skin absorption or ingestion of methanol may result in visual disturbances, metabolic acidosis, headache, giddiness, nausea, insomnia, gastric disturbance, dizzinand slow breathing. There have been severe cases reported of blindness, coma and death due to the ingestion of methanol. Acute toxicity data, if available, are listed below. Additional toxicity data may be available on request.

```
Oral LD-50: (rat)
                                      6.2 g/kg
8 h: > 22500 ppm
Inhalation LC-50: (rat)
Dermal LD-50: (rabbit)
Skin Irritation (guinea pig)
                                      15.8 g/kg
                                      moderate
Eye Irritation (rabbit)
                                      slight
```

#### 12. ECOLOGICAL INFORMATION

Acute toxicity data, if available, are listed below. Additional toxicity data may be available on request.

#### Oxygen Demand Data:

```
BOD-5: 0.76 - 1.12 \text{ g/g}
BOD-20: 1.26 g/g
COD: 1.05 - 1.5 q/q
```

#### Acute Aquatic Effects Data:

96 h LC-50 (fathead minnow): > 10000 microliter(s)/l NOEC:

10000 microliter(s)A

96 h LC-50 (sideswimmer): > 100 microliter(s)/l NOEC: 100 microliter(s)/l 24 h EC-50 (daphnid): > 10000 mg/I 96 h LC-50 (daphnid): > 1000 microliter(s)/l NOEC: 100 microliter(s)/l

96 h LC-50 (ramshorn snail): > 100 microliter(s)A NOEC: 100 microliter(s)/l
96 h LC-50 (aquatic earthworm): > 100 microliter(s)A NOEC: 100 microliter(s)A
96 h LC-50 (pill bug): > 100 microliter(s)A NOEC: 100 microliter(s)/l
96 h LC-50 (flatworm): > 100 microliter(s)/I NOEC: 100 microliter(s)/l

#### 13. DISPOSAL CONSIDERATIONS

Discharge, treatment, or disposal may be subject to national, state, local laws. Mix with compatible chemical which is less flammable and incinerate. Since emptied containers retain product residue, follow label warnings even after container is emptied. Residual vapors may explode on ignition; do not cut, drill, grind, or weld on or near this container.

#### 14. TRANSPORT INFORMATION

Marine pollutant components: None unless listed below

Reportable Quantity: 2,270 kg
DOT (USA): Class 3 Packing group II ICAO Status: Class 3 Packing group II Subsidiary Risk Class 6.1 IMDG Status: Class 3 Packing group II Subsidiary Risk Class 6.1

#### 15. REGULATORY INFORMATION

WHMIS (Canada) Status: controlled WHMIS (Canada) Hazard Classification: B/2, D/1/B

Page 5

methanol%20bulk%20msds[1]

SARA 311-312 Hazard Classification(s): immediate (acute) health hazard delayed (chronic) health hazard fire hazard

SARA 313: None, unless listed below

METHANOL

Carcinogenicity Classification (components present at 0.1% or more): none, unless listed below

TSCA (US Toxic Substances Control Act): This product is listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): This product is listed on the DSL or otherwise complies with CEPA new substance notification requirements.

EINECS (European Inventory of Existing Commercial Chemical Substances): This product is listed on EINECS.
EINECS Number: 200-659-6
AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme): This product is listed on AICS or otherwise complies with NICNAS.

MITI (Japanese Handbook of Existing and New Chemical Substances): This product is listed in the Handbook or has been approved in Japan by new substance notification.

ECL (Korean Toxic Substances Control Act): This product is listed on the Korean inventory or otherwise complies with the Korean Toxic Substances Control Act.

16. OTHER INFORMATION

For Additional Information: Contact: MSDS Coordinator - Univar USA During business hours, Pacific Time - (425) 889-3400

NOTICE
Univar USA expressly disclaims all express or implied warranties of
merchantibility and fitness
for a particular purpose with respect to the product or information provided
herein, and shall
under no circumstances be liable for incidental or consequential damages.

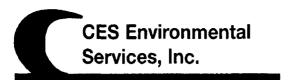
Do not use ingredient information and/or ingredient percentages in this MSDS as a product specification. For product specification information refer to a Product Specification Sheet and/or a Certificate of Analysis. These can be obtained from your local Univar USA Sales Office.

All information appearing herein is based upon data obtained from the manufacturer and/or recognized technical sources. While the information is believed to be accurate, Univar USA makes no representations as to its accuracy or sufficiency. Conditions of use are beyond Univar USA's control. Therefore, users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular Page 6

#### methanol%20bulk%20msds[1]

purposes, and they assume all risks of their use, handling, and disposal of the product or from the publication or use of, or reliance upon, information contained herein. This information relates only to the product designated herein and does not relate to its use in combination with any other material or in any other process.

END OF MSDS



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 9/30/2008

Dear Louis Macev

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3009

**Expiration Date** 9/30/2010

**Generator:** Macey Family Properties

Address: 1717 St. James Place Ste 118

Houston, TX 77056

Waste Information

Name of Waste: Recyclable RCRA empty containers

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

RCRA empty containers last containing silicones.

Color: varies

Odor: none

pH: na

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

level d ppe

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

# CES Environmental Services, Inc.

**◯** CES Environmental Services – Houston Facility ☐ CES Environmental Services – Port Arthur Facility 2420 S. Gulfway Drive, Port Arthur, TX 77641 4904 Griggs Road, Houston, TX 77021 Fax: (713) 676-1676 Phone: (713) 676-1460 Phone: (713) 676-1460 Fax: (713) 676-1676 U.S. EPA ID No: TXR000079307 ISWR No: 88585 TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900 **SECTION 1: Material Producer Information** Company: Address: City, State, Zip: 77057 Contact: Title: Phone No: Fax No: 24/hr Phone: U.S. EPA I.D. No: State I.D. SIC Code: SECTION 2: Billing Information – Same as Above Company: Address: City, State, Zip: Title: Contact: Phone No: Fax No: SECTION 3: General Description of the Material / Product Name of Material / Product: Recyclable RCRA Empty Containers Detailed Description of Process Generating or Producing the Material / Product: RCRA empty containers last containing silicones. **Physical State:** ☐ Liquid Sludge ☐ Powder ⊠ Solid ☐ Filter Cake Combination Color: Variety Odor: None Specific Gravity (water=1): 1-1.4 Density: 9-10 lbs/gal Does this material contain any total phenolic compounds? \(\sum \) Yes \(\sum \) No Does this material contain any para substituted phenolic compounds? 

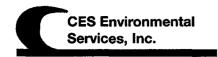
Yes Single-phase Layers: Multi-phase **Container Type:** Drum Tote **Truck** Other (explain) **Container Size:** 55 G Frequency: Weekly Monthly Quarterly Yearly Number of Units (containers): 1-50 Other: Proper U.S. DOT Shipping Name: Recyclable RCRA Empty Containers Class: Na UN/NA: Na PG: RQ: Na Na

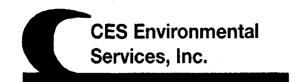
>200	pH	N/A	N/A		Solids	100
Oil&Grease	Na TOC	Zinc	Copper	Nickel	20-70	-
Asmey Asmey	Namg/1	Name/I	Namg/I	Namg/I		
ECTION 4: Ph	ysical and Chemics		- <sub>- 1</sub> ,	**************************************	,ji-	Mary so
The met	COMPONE	NISTABLE ists of the following mate	25.010.25	Concentration Ranges are accep		Units or %
RCRA Empty Co		ists of the following mare		Nanges are accep		% %
NONA CHIPLY OF	Hitariera			)U		78
				, <u></u>		
·····	<del></del>					
						<del></del>
	·					
List all document	tached Supporting I ts, notes, data, and/o	<u>Documents</u> or analysis attached to th	ds form as part of	the material / prod	luct profi	le.
SECTION 7: Inc Please list all inco None	ompatibilities (if an					
SECTION 7: Inco Please list all inco None SECTION 8: Ms	ompatibilities (if any aterial Producer's C	<u>Certification</u>				
SECTION 7: Incompage 1	ompatibilities (if any aterial Producer's C contained herein is be on is complete and position properties e		ly knowledge and r suspected hazards	ability to determin	e that no	deliberate or willi
SECTION 7: Incompage 1 in the SECTION 8: Ms  SECTION 8: Ms  The information cattached description on issions of compage 1 in the second	exercial Producer's Contained herein is be on is complete and position properties entative of all material	Certification  ased on Securator know accurate to the best of making and that all known or a described by this document.	ly knowledge and r suspected hazards	ability to determin	e that no ed. I cort	deliberate or willi
SECTION 7: Inconons Please list all inconons SECTION 8: Ms The information cattached description omissions of comptested are representational signs Authorized Signs	external Producer's Contained herein is be on is complete and position properties entative of all material	Certification  ased on Securator know accurate to the best of making and that all known or a described by this document.	ly knowledge and r suspected hazards	ability to determin s have been disclos	e that no ed. I cort	deliberate or willi
SECTION 7: Inconvenerable SECTION 8: Ms SECTION 8: Ms The information cattached description on issions of computested are represent	external Producer's Contained herein is be on is complete and position properties entative of all material	Certification  ased on Securator know accurate to the best of making and that all known or a described by this document.	ly knowledge and r suspected hazards	ability to determin s have been disclos	e that no ed. I cort	deliberate or willi
SECTION 7: Inconverse list all inconverse list	expatibilities (if any aterial Producer's Contained herein is be on is complete and position properties entative of all material ature:	Sertification  ased on Segenerator know accurate to the best of making and that all known on a described by this document.  Maccurate to the best of making and that all known on the second se	ly knowledge and r suspected hazards	ability to determin s have been disclos	e that no ed. I cort	deliberate or willi
SECTION 7: Inconvenerable None  SECTION 8: Ms  SECTION 8: Ms  The information cattached description on issions of comptested are represent the steel a	entained herein is be on is complete and position properties entative of all material ature:  ONOT WRITE IN THIS	Certification  ased on Segenerator known accurate to the best of nexist and that all known or a described by this docume  SPACE)	ly knowledge and r suspected hazards	ability to determin s have been disclos	e that no ed. I cort	deliberate or willi
SECTION 7: Inconvenerable None  SECTION 8: Ms  SECTION 8: Ms  The information cattached description on issions of comptested are represent the steel a	expatibilities (if any aterial Producer's Contained herein is be on is complete and position properties entative of all material ature:	Certification  ased on Segenerator known accurate to the best of nexist and that all known or a described by this docume  SPACE)	ly knowledge and r suspected hazards	ability to determin s have been disclos	e that no ed. I cort	deliberate or willi

## MIS



1.	Base Pricing (including freight):
	\$10/dm
•	Contamination I imits (maximum limit hefore quahongs; annly).
2.	Contamination Limits (maximum limit before surcharges apply):
	Not RCRA Empty
į	
3.	Surcharge Pricing:
	None
4.	Special Testing Requirements:
<b>-∙∙</b> [	None
	TVOIC
Į	
5.	Treatment and Handling Protocol:
	Crush in recycle with Metals or Plastics
Ì	
6.	Treated Wastewater Discharge Subcategory:
[	
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C





# Waste Pre-Acceptance/Approval Letter

Date 9/30/2008

Dear Michel Skok

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3010

Expiration Date 9/30/2010

Generator: International Celluluse

Address: 12315 Robin Rd

Houston, TX 77045

Waste Information

Name of Waste: RCRA empty containers

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

empty containers

Color: na Odor: na pH: na

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900



SECTION 1: Genera	ator Informatio	on												
Company :	International	Cellulu	se											
Address :	12315 Robin	Rd												
City, State, Zip:	Houston TX	77045												
Contact :	Michel Skok							Title :						
Phone No :	(713) 433-67	'01						Fax:	(	71 <u>3)</u> 433	3-2900			
24 / HR Phone :								_						
U.S EPA I.D No :	TXCESQG													
State I.D :	CESQG							SIC Co	ode					
SECTION 2: Billing	Information													
Company :	International	Cellulu	se											
Address :	12315 Robin	Rd		·						<u></u>				
City, State, Zip :	Houston TX	77045												
Contact :	Michel Skok							Title:						
Phone No :	(713) 433-67	701						Fax:	(	713) 433	-2900			
SECTION 3: Genera	al Description	of the W	Vaste											
Name of Waste :	RCRA empty	/ contail	ners											
Detailed Descript	tion of the Pr	ocess	Genera	ating W	aste:									
empty containers														
Physical State :	<b>E</b> Liqui	d		∭ Slu	ıdge		Pc	wder						
	<b>✓</b> Solid			Filt	ter Cake			mbinatio	on					
Color:	-			na		Od	lor :			****		na		
Specific Gravity (	Water=1) :			na		De	nsity:				na			lbs / gal
Does this material o	contain any to	tal phen	olic co	mpound	s?		es	<b>✓</b> No	),					
Does this material o	contain any pa	ıra subs	tituted	phenolic	compo	unds?	ĺ	Yes		<b>✓</b> No				
ls the Waste subjec	t to the benze	ne wast	e opera	tion NE	SHAP? (	40 CFR	Part 61,	Subpart	FF)		Yes	<b>✓</b>	No	
2812 2813 2	816 2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861 2865 2	869 2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511
Layers :	✓ Singl	le-Phas	•	∭ Mu	lti-Phas	se								
Container Type :	<b>✓</b> Drum	1	] 1	Γote	3	Truck	8	Other	(expla	in)				
Container Size :	55 ga													
Number Of Units	: 60		•											
Is this a USEPA "F If "Yes", then ple		-					<b>Yes</b> Constitue	<b>✓</b> N		ed hereto				
	1/	_												

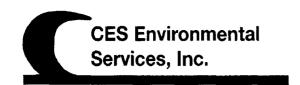
Characteristic for Toxic				0007	
	<u></u> □ <b>D008</b>	D009		0011	
Characteristics for Toxic	Organics: D012 thru D0	43 (please list all t	nat apply)		
Is this an "F" or "K" Liste	ed waste or mixed with o	one? Yes	<b>✓</b> No		
If "Yes", then please	list ALL applicable codes	51	·		
Is this a commercial pro- 261.33(e) or (f)?	duct or spill cleanup that	t would carry a "U"	or "P" wast	e code under 40 CFR	☐ Yes 🗸 No
If "Yes", then please	list ALL applicable codes	5:			
Texas State Waste Code	e No : Recy	/cle			
Proper U.S. State Waste	Code No :	Non	-RCRA/Non	-DOT Regulated Mate	rial
Class: na	UN/NA:	na ————	PG :	ла	RQ: na
Flash Point	рН	Reactive St	ulfides	Reactive Cyanides	Solids
na	na	na	mg/l	na mọ	g/l <u>na</u> %
Oil and Grease	TOC	Zinc		Copper	Nickel
namg/	na m	g/l na	mg/i	na mọ	g/i <u>na</u> mg/l
SECTION 4: Physical and C					
200 D C 000 C 00 May 10 May 11 May 11 C C 00 C 560 L C	COMPONENTS TAI	ACTION OF THE CONTRACT OF THE PARTY OF THE CONTRACT OF THE CON		CONTRACT BOX DOLLARS TO VIEW AND THE PROPERTY OF THE PROPERTY	tration Units
The material	product consists of th		als	Ranges are	
	empty containers	i		10	0 %
					j
					J
L					
SECTION 5: Safety Related	Data				
If the handling of this w	aste requires the use of	f special protectiv	e equipmer	nt, please explain.	
standard					
SECTION 6: Attached Supp					
List all documents, note	s, data, and/or analysis	s attached to this t	orm as par	t of the waste approv	al package.
none					
OFCION 7. In a constability					
SECTION 7: Incompatibiliti					
Please list all incompati	bilities (if any):				
none					
SECTION 8: Generator's Kr					
Laboratory analysis of the following generators kn		aracteristics, liste	d below, W	AS NOT PERFORME	) based upon the
TCLP Metals :	<u>X</u>				
TCLP Volatilies :	<u>x</u>				
TCLP Semi-Volatiles :	_ <u>X</u>				
Reactivity:	<u>X</u>				
<b>-</b>	-	2			

Corro	sivity: X
Ignita	bility: <u>x</u>
SECTI	ON 9: Waste Receipt Classification Under 40 CFR 437
Is this	material a wastewater or wastewater sludge ? ☐ YES ☑ NO
If 'YES	S', complete this section
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Matal	s Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oils S	ubcategory: Subpart B
	Used oils
	Oil-water emulsions or mixtures
	Lubricants
	Contaminated groundwater along up from patroloum sources
	Contaminated groundwater clean-up from petroleum sources Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
$\overline{\Box}$	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
Organ	ics Subcategory Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation

Wastewater from organic chemical product operations

Tank dicarrout from organic, non-periodean sources	
(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory	
(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory	
Cadmium: 0.2 mg/L	
Chromium: 8.9 mg/L Copper: 4.9 mg/L	
Nickel: 37.5 mg/L	
(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.	
☐ Metals Subcatego	
☐ Oils Subcatego	
☐ Organics Subcategory	
SECTION 10: Additional Instruction	
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.	
SECTION 11: Generator's Certification	
The information contained herein is based on generator knowledge and/or analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.	ıe
Authorized Signature : Date :	
Printed Name / Title :	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Process Facility Information:	_
Compliance Officer: Prabhakar Thangudu \$10/drum	_]
Date: 9-25-08 Status: (Approved) Rejected	
Approval Number: 3010	

3011 Incos Polymers



# Waste Pre-Acceptance/Approval Letter

Date 9/30/2008

Dear Mark Broome

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3011

Expiration Date 9/30/2010

Generator: Ineos Polymers

Address: 1230 Battleground Road

La Porte, TX 77571

#### Waste Information

Name of Waste: Antifreeze
TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Equipment maintenance

Color: green

**Odor:** antifreeze/glycol

**pH:** 3-11

**Physical State:** 

Incompatibilities: na

Safety Related Data/Special Handling:

na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

# **CES Environmental** Services, Inc.

4904 Griggs Road Phone: (713) 676-1460

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene	rator Information				
Company:	INEOS Polyethyle	ene, NA			
Address:	1230 Battleground	Road			
City, State, Zip:	La Porte, TX 775	71	· · · · · · · · · · · · · · · · · · ·		
Contact:	Mark Broome		Title:		nental Engineer
Phone No:	713 307 3470	·	Fax No:	713 307	3007
24/hr Phone:	832 613 1966				
U.S. EPA I.D. No:	TXD980625958		<del>-</del>		
State I.D.	30704	·	SIC Code:	2821	
SECTION 2: Billin	g Information – 🔀 S	Same as Above			
Company:					
Address:					
City, State, Zip:					
Contact:	<del></del>	Title:			
Phone No:		Fax No:			
	·		····		
SECTION 3: Gener	al Description of the	e Waste			
Name of Waste: An					
Detailed Description	of Process Generat	ing Waste: <u>Equipment π</u>	naintenance		
Dh	<b>⊠ •</b> •••		□ n		
Physical State:	🔀 Liquid	☐ Sludge	Powder		
	☐ Solid	Filter Cake	Combinatio	n	
Color: Green		Odor: Antifreeze/glycol			
Color: Green	`	Juli Andreezezgrycor			
Specific Gravity (wa	ter=1):	Density: _ & 1	hs/øal		
specific ciravity (wa	itel –1):	Density:	N. Bar		
Does this material co	ontain any total phe	nolic compounds? 🔲 Y	es 🖾 No		
		· · · · · · · · · · · · · · · · · · ·		_	
Does this material co	ontain any par <mark>a sub</mark> s	stituted phenolic compo	unds? 🗌 Yes 🏻 🖸	☑ No	
Layers:	Single-phase	Multi-phase			
•	- 0 1	- •			
Container Type:	Drum Drum	☐ Tote	Truck		Other (explain)
Container Size:	<u>55 qal.</u>				
- · · · · · · · · · · · · · · · · · · ·					
Fraguency	Weekly	☐ Monthly	Quarterly	$\boxtimes$	Yearly
Frequency:	<del></del>		Contracts		really
Number of Units (co		Other:			9
Texas State Waste C	lode No: -10	382961 rectels			**************************************
Proper U.S. DOT Sh	ipping Name:		erial per 40 & 49 C	FR, DOT	non-regulated, none
Class: na	UN/N	A: na	PG: na		RQ: па
					_

•								
Flash Point	pH			e inides	Solids			
210 F	3-11	no- mg/l	No.		<u>na</u> %	· 0		
Oil&Grease	TOC	Zinc	Copper	_	kel			
_715°Cmg/1	71500 mg/1	/mg/l	Wo_mg/	<u> </u>	∠_mg/l			
SECTION A. DI-		<b>T</b> D=4-						
SECTION 4: Phy	vsical and Chemical							
The		NTS TABLE		Concentr		Units		
		be following materials		Ranges are ac	сергавие	ог %		
Propylene Glycol	Solution			00		76		
ļ <u>.</u>	<del></del>					<u> </u>		
	- i				·	<del>  </del>		
SECTION 5: Safe	ety Related Data							
If the handling of	this waste requires	the use of special protectiv	e equipment, p	lease explain.				
<u>na</u>								
SECTION 6. Att	ached Supporting D	ocuments						
			s s	41				
na document	i, notes, data, and/or	r analysis attached to this	torm as part of	tne waste appr	ovai packa	ge.		
<del>tird</del>								
SECTION 7: Inc	<u>ompatibilities</u>							
Please list all inco	mpatibilities (if any)	):						
na	p (11 w.r.) ,	•	ļ					
	<u> </u>	_						
SECTION 8: Ger	nerator's Knowledge	<u>Documentation</u>						
Laboratory analys	sis of the hazardous	waste characteristics, liste	ed below, WAS	NOT PERFOR	MED base	d upon the following		
generator knowled		,				<b>x</b>		
TCLP Metals:	<u>na</u>							
TCLP Volatiles: TCLP Semi-Volat	<u>na</u> iles: <u>na</u>		]					
Reactivity:	na na							
Corrosivity:	<u>na</u>							
Ignitability:	<u>na</u>							
SECTION 9: Gen	erator's Certification	\ <b>n</b>						
		~~	, <u> </u>	andresia at Anna	7 h			
		ed on $oxtimes$ generator knowled occurate to the best of my $oxtimes$						
		ist and that all known or su						
		described by this document				<b>-</b>		
	1/1/2	16						
Authorized Signat	ure:	1 Com		Date: <u>9/2</u>	<u>8/08</u>			
Printed Name/Titl	e: Mark Broomc/En	vironmental Engineer						
CES USE ONLY (DO	NOT WRITE IN THIS S	PACE)						
Compliance Officer	- Bolon V	Maria 1						
	1							
Date: <u>9-30-</u>	<u>08</u> A	pproved Rejected	-					
	,							
Approval Number:	3011							
AMBICARI MINIOCI.			1					

<u>S</u>	ECTION 10: Waste Receipt Cla ication Under 40 CFR 437
Is	this material a wastewater or wastewater sludge?   YES   NO
If	'Yes', complete this section.
P	LEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Met	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incincration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation
H	Wastewater from organic chemical product operations  Tank clean-out from organic, non-petroleum sources

- (1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
- (2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

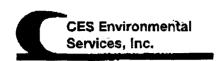
Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L

(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or
	nickel above any of the values listed above, the waste should be classified in the organics subcategory.

Metals Subcategory
Oils Subcategory
Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease. CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

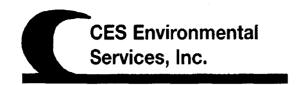


1.	Base Pricing (including freight):
	\$35/drum
2.	Contamination Limits (maximum limit before surcharges apply):
3.	Surcharge Pricing:
ļ	
4.	Special Testing Requirements:
	Test % stycul
5.	Treatment and Handling Protocol:
ĺ	314 cal rechelian
5.	Treated Wastewater Discharge Subcategory:
Ţ	Subcategory A Subcategory B Subcategory C



7.	Tests for Produc	t Recovered/Recycled	(if applicable):		
	ethylenc	Sixci			
8.	Management for	Product Recovered/R	decycled (if applicable);	·	
	214 cal 1	recycling			
			•		

3012 GATX Rail (Galena)



# Waste Pre-Acceptance/Approval Letter

Date 9/30/2008

Dear Trey Weiser

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3012

Expiration Date 9/30/2010

Generator: GATX Rail Corporation (Galena Park)

Address: 1216 Clinton Drive

Galena Park, TX 77547

Waste Information

Name of Waste: Outdated used lube oil

TCEQ Waste Code #: CESQ2191

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Used oil from the repair of rail cars

.

Color: dark Odor: hydrocarbon pH: neutral

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.





# CES Environmental Services, Inc.

	4904 Griggs Road, Houston, TX 77021 Phone (713) 676-1460 Fax: (713) 676-1460					CES Environmental Services - Port Arthur Facility 2420 S. Gulfway Dr., Port Arthur, TX 77641 Phone (713) 676-1460 Fax: (713) 676-1460							
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900						U.S. EPA ID Number: TXR000079307 ISWR Number: 88585							
TCE	Q Industrial:	Solid Wast	e Permit Nui	mber: 30948	3				<del>-</del>				
	Generator												
Company:			n (Galena I	Park)	· · · · · ·					*****		_	
Address:	1216 Clinto												
City:	Galena Par			St	ate:	TX		_Zip:					77547
Contact:	Ernie Guzn		F 4000 aud	12		Title:		212 400	7202				
Phone Num			5-4999 ext	15		- Fax Numb	er:	312-499-7	/392				
24/hr Phon US EPA ID N		832-97 TYCESC			-	•							
State ID No	_	CESQG				SIC Code:		NA					
State ID NO	<b>'•</b>	CESQG				Sic Code.		IVA					
Company:	Billing Info	rmation -	✓ <u>s</u>	ame as Abo	ove			<u></u>					
Address:				<u> </u>			_	71			_		
City:				st	ate:	Title		_Zip:					
Contact: Phone Num						_Title: Fax Numb	~=.				··· <u>·</u>		
Pilone Nun	iber.				•	- Fax Nullib	er.						
SECTION 3:	General De	scription	of the Was	<u>te</u>									
Name of W	·	Outdat	ed Used luk	مدالم									
										-			
Detailed De	escription of	Process (	senerating	waste:									
used oils fro	om the repa	r of rail ca	ers										
	on the repu												
Physical Sta	ate: 🔽	Liquid Solid		=	udge Iter Cake	. [		Powder Combinat	ion				
Color:	dark					Odor:		hydrocark	on	· ·		<del></del>	
Specific Gra	vity (water	=1):	1-1.	.05		-		Density:	8.34	-8.4   lbs/ <sub>1</sub>	gal		
Does this m	naterial cont	ain any to	otal phenol	ic compou	nds?		Yes	<b>√</b>	No				
Does this m	naterial cont	ain any p	ara substit	uted pheno	olic comp	ounds?		Π	Yes	☑ No			
				•	•			_					
Is the Wast	e subject to	the benz	ene waste	operation I	NESHAP?	(40 CFR Pa	rt 6	1, Subpart	FF)		Yes	$\checkmark$	No
Answer "Ye	s" if your wa	aste conta	ins benzen	e AND if th	e SIC cod	e from you	r fa	cility is one	of the	following:			
2812	2 281	.3	2816	2819	2821	2	822	282	3	2824	2833		2834
2835	283	6	2841	2842	2843	2	844	285	1	2861	2865		2869
2873	3 287	4	2876	2879	2891	2	892	2893	3	2896	2899		2911
3312	2 495	3	4959	9511									
Layers:	☐ Sia	ngle-phase	e 🗸	Multi-pl	nase								
Container T	Гуре:	Drum	☐ Tot	e 🗌 Tr	uck 🗹	Other (exp	olair	1)					
Frequency:	☐ Weekl	v 🗌 Ma	nthly 🗀	Yearly √	One-Ti	ime							
	5 gallon bu	-											

Is this a USEPA "Hazardou If "Yes", then please comp If "Yes", Is it:	plete, sign and da D001 (Ignitable) etals:	te the Undo  D004	erlying Haza D002 (Coi	rrosive) [ 5 ] D000	nts Form atta	ctive)	□ 0009	
Is this an "F" or "K" Listed If "Yes", then please list			?	Ye:	s v	] No		
40 CFR 261.33(e) or (f)?	Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under  40 CFR 261.33(e) or (f)?							
Texas State Waste Code Number: CESQ2191								
Proper US DOT Shipping N	Name: N	Ion RCRA/I	Non DOT R	egulated Mater	rial			
Class: NA	UN/NA:	IA	PG:	NA	RQ:	NA		
Flash Point	Hq		Read	tive Sulfides	Reactive	Cyanides	Sol	ide
>150	neutra	 al	na	mg/l	na	mg/l	0-5	%
Oil & Grease TOC		Zinc Copper		Nickel				
>1500 <u>mg/l</u>	na	mg/l	na	mg/l	na	mg/l	na	mg/l
SECTION 4: Physical and Chemical Data								
СОМ	PONENTS TABL	E			CONCEN.	TRATOIN		UNITS
The waste consists of the following materials				Ranges are acceptable			or %	

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
Various Lube oils/hydraulic oils	95-99	%
Dirt	1-5	%
		<u> </u>
		<del></del>
	· · · · · · · · · · · · · · · · · · ·	
	· · · · · · · · · · · · · · · · · · ·	<del> -</del>
	· · · · · · · · · · · · · · · · · · ·	

If the handling of this waste requires the use of special protective equipment, please explain.  Standard				
	Supporting Documents es, data and/or analysis attached to this form as part of the waste  MSDS			
SECTION 7: Incompati Please list ALL incompa None known				
Laboratory analysis of	's Knowledge Documentation the hazardous waste characteristics, listed below, WAS NOT PERFORMED ing generator knowledge:			
TCLP Metals:	NA			
TCLP Volatiles:	NA .			
TCLP Semi-Volatiles:	NA			
Reactivity:	NA			
Corrosivity:	NA			
Ignitability:	NA			
.8				
SECTION 9: Waste Recei	pt Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Requirements for Centralized Waste Treatment			
Facilities)				
Is this mate	erial a wastewater or wastewater sludge?			
If 'Yes'	, complete this section.			
DI FASE CH	ECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.			
PLEASE CH	ECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.			
Metals Subcategory: Su	bpart A			
	troplating baths and/or sludges			
	hing rinse water and sludges			
Chromate v	wastes on control blow down water and sludges			
	lizing solutions			
	n wastewaters			
☐ Waste liqu	·			
<b>—</b> ·	ntaining wastes greater than 136 mg/l			
<del></del>	ls and bases with or without metals			
<ul> <li>Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations</li> <li>Vibratory deburring wastewater</li> </ul>				
	d acid solutions used to clean metal parts or equipment			
Oils Subcategory: Subpe	art B			
_	emulsions or mixtures			
Lubricants	That sells of thinker co			
Coolants				
	ted groundwater clean-up from petroleum sources			
	leum products			
☐ Oil spill cle ☐ Bilge water				
	n waters from petroleum sources			

☐ Interceptor westes ☐ Off-specification fuels ☐ Underground storage remediation waste ☐ Tank clean-out from petroleum or oily sources ☐ Non-contact used glycols ☐ Aqueous and oil mixtures from parts cleaning operations ☐ Wastewater from oil bearing paint washes  Organics Subcategory: Subport C
(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)  If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.  Cadmium: 0.2 mg/L  Chromium: 8.9 mg/L  Copper: 4.9 mg/L  Nickel: 37.5 mg/L
(3)  If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.  Metals Subcategory Oils Subcategory Organics Subcategory
SECTION 10 Additional Instructions
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.
SECTION 11: Generator's Certification  The information contained herein is based on generator knowledge and/or analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of compostion properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.
Authorized Signature: Date: 9/26/08
Printed Name/Title: Ensh Guzman Foremon
CES USE ONLY (DO NOT WRITE IN THIS SPACE)
Compliance Officer: Polythand  Date: 9-30-08 [TApproved  Rejected  Approval Number: 3012



### PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
\$25.00/5 gal bucket; \$70.00/hour transportation
2. Contamination Limit (maximum limit before surchages apply):
NA
3. Surcharge Pricing:
NA
4. Special Testing Requirements:
5. Treatment and Handling Protocol:
Put in class 1 sludge box
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



#### PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):	
NA	<del>-</del>
8. Management for Product Recovered/Recycled (if applicable)	
8. Management for Product Recovered/Recycled (if applicable)  NA	

09/23/2008 01:00

#### Stundy Stevenson

# **Compressed**air

7255 East 46th St., Tulsa, OK 74145 ph 704-846-2004 sales@ccompressedair.com http://www.ecompressedair.com

> "S" SERIES (325, 46\$, 685, 1005 and 1505)

#### PRODUCT IDENTIFICATION:

Chemical Name: Synthetic hydrocarbon

71.34550540

Chemical Family, Hydrotreated heavy paraffinic CAS# 64742-54-7

#### II. COMPONENTS & HAZARD STATEMENT:

All components of this material are on the Toxic Substances Control Act Chemical Substances Inventory. This product fits the ACGIH definition for oil mist. The ACGIH TLV is 5mg/M3 (mist) and the OSHA PEL is 5

California Prop 65: this product may contain a chemical known to the state of California to cause cancer, birth defects or other reproductive harm. No special warning labels are required under OSHA CFR 1910.1200.

#### III. PHYSICAL DATA:

Viscosity; Various: 39 - 150 cSt. @40°C Specific Gravity (Water = 1.0): 0.88-0.90 Boiling Point: Not determined Negligible Vapor Pressure: Straw color - bland odor Appearance & Odor Solubility in Water: Negligible

#### IV. FIRE & EXPLOSION HAZARD DATA:

Other Data: Non-toxic USDA H-2 approved

Flash Point, ASTM D92; >460°F

Autoignition Temperature: Not Established

Flammability Limits: Not Established

Extinguishing Media: Dry Chemical; CO2 Foam; Water Spray

Special Fire Fighting Procedure:

Burning may produce irritating/noxious furnes. Firefighters should use NIOSH/MNSA approved self-contained breathing apparatus. Use water to cool fire-exposed containers to prevent pressure build-up.

V. REACTIVITY DATA:	
	The state of the s
Stability:	This product is stable and will not react with water.
Materials to Avoid:	Avoid strong oxidizers
Hazardous Decomposition Products:	Carbon monoxide, Carbon dioxide

VI. HEALTH INFOR	MATION:
Eye Contact:	Flush eyes with water for 15 minutes. Call a physician if Intitation develops
Skin Contact:	Wash skin with soap and water.
inhalation;	Remove to fresh air.
Ingestion:	First aid not normally required. If uncomfortable, call physician.

#### VII. HEALTH HAZARD DATA:

Exposure Limits: Not applicable

Effects of Overexposure: Low oral and dermal toxicity. Prolonged or repeated exposure may cause irritation, nausea, and vomiting.

#### VIL EMPLOYEE PROTECTION:

For general personal hygiene, wash hands thoroughly after handling material, Avoid contact with skin and eyes. Chemical impervious gloves are recommended for prolonged exposure. Use in a well ventilated area

# Compressedair

7255 East 46th St., Tulsa, OK 74145 ph 704-846-2004 sales@ecompressedair.com http://www.ecompressedair.com

#### VIII. STORAGE, SPILL & DISPOSAL PROCEDURES;

Storage: Store in clean, dry area.

7134550540

Spills: Use absorbent materials to soak up fluid.

Disposal: Incinerate this product and all associated wastes in a licensed facility in accordance with Federal, state and local regulations.

IX. HAZARD RATING INFORMATION:					
	HMIS	KEY	<del></del>		
Health:	0	4=Severe	O=Minimal		
Flammability,	1	3=Serious			
Reactivity:	0	2=Moderate	B=Gloves, Goggles		
Personal Protection:	В	1=Slight			

#### Regulator Information

California prop 65 (REPRO): 1, 2-Cienzendendicarboxylic Acid DIC9-1 1, Branched Alkylesters, C-10 rich.

This information contained herein is based on the data available to us and is believed to be true and accurate, eCompressedair makes no warranty, expressed or implied, regarding the accuracy of this data or the results to be obtained from the use thereof. eCompressedair assumes no responsibility for injury from the use of this product.

# **Material Safety Data Sheet**



#### SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

#### Texaco Rando® HDZ

Product Use: Hydraulic Oil

Product Number(s): 01493, 01494, 01495, 01496, 01538, CPS221493, CPS221494, CPS221495,

CP\$221496, CP\$221538

Synonyms: Texaco Rando® HDZ 100, Texaco Rando® HDZ 22, Texaco Rando® HDZ 32, Texaco

Rando® HDZ 46, Texaco Rando® HDZ 68

Company Identification

Chevron Lubricants Canada Inc. Lubrifiants Chevron Canada 6975-A Pacific Circle Mississauga, ONT L5T 2H3

Canada

www.chevronlubricants.com

**Transportation Emergency Response** 

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA, International collect calls accepted. (800)

231-0623 or (510) 231-0623

Product Information

email: lubemsds@chevron.com Product Information: (800) LUBE TEK MSDS Requests: (800) 414-6737

#### SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Highly refined mineral oil (C15 - C50)	Mixture	80 - 100 %weight

Information on ingredients that are considered Controlled Products and/or that appear on the WHMIS Ingredient Disclosure List (IDL) is provided as required by the Canadian Hazardous Products Act (HPA, Sections 13 and 14). Ingredients considered hazardous under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, are also listed. See Section 15 for additional regulatory information.

#### SECTION 3 HAZARDS IDENTIFICATION

#### **EMERGENCY OVERVIEW**

- HARMFUL TO AQUATIC ORGANISMS. MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT

Revision Number: 1

Revision Date: June 17, 2008

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#### **IMMEDIATE HEALTH EFFECTS**

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

#### SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

**Skin:** No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

**Ingestion:** No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

#### SECTION 5 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

#### FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 150 °C (302 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not

Applicable

**EXTINGUISHING MEDIA:** Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

#### **PROTECTION OF FIRE FIGHTERS:**

**Fire Fighting Instructions:** This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Revision Number: 1

Revision Date: June 17, 2008

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**Combustion Products:** Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

#### SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities as appropriate or required.

#### SECTION 7 HANDLING AND STORAGE

Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

#### SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **GENERAL CONSIDERATIONS:**

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

#### **ENGINEERING CONTROLS:**

Use in a well-ventilated area

#### PERSONAL PROTECTIVE EQUIPMENT

Revision Number: 1 Revision Date: June 17, 2008 3 of 7

09/23/2008 01:00 7134550540

**Eye/Face Protection:** No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

**Skin Protection:** No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: Viton, 4H (PE/EVAL), Nitrile Rubber, Silver Shield.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

Occupational Exposure Limits:

Component	Country/	TWA	STEL	Ceiling	Notation
	Agency	<u> </u>	<u> </u>		
Highly refined mineral oil (C15 - C50)	ACGIH	5 mg/m3	10 mg/m3		

NOTE ON OCCUPATIONAL EXPOSURE LIMITS: Consult local authorities for acceptable provincial values in Canada. Consult the Canadian Standards Association Standard 94.4-2002 Selection, Use and Care of Respirators.

#### SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Colorless to yellow Physical State: Liquid Odor: Petroleum odor pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1 Boiling Point: >260°C (500°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Specific Gravity: 0.86 - 0.87 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

Odor Threshold: No Data Available

Coefficient of Water/Oil Distribution: No Data Available

#### SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)
Hazardous Polymerization: Hazardous polymerization will not occur.

Sensitivity to Mechanical Impact: No.

#### SECTION 11 TOXICOLOGICAL INFORMATION

#### **IMMEDIATE HEALTH EFFECTS**

Revision Number: 1 Revision Date: June 17, 2008 4 of 7

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

**Skin Irritation:** The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: LD50: >5g/kg (rabbit). The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: LD50: >5 g/kg (rat) The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

**Acute Inhalation Toxicity:** The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components. For additional information on the acute toxicity of the components, call the technical information center.

#### ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

#### SECTION 12 ECOLOGICAL INFORMATION

#### **ECOTOXICITY**

This material is expected to be harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

#### **ENVIRONMENTAL FATE**

**Ready Biodegradability:** This material is not expected to be readily biodegradable. The biodegradability of this material is based on an evaluation of data for the components or a similar material.

#### SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods. (See B.C. Reg. GY/92 Waste Management Act; R.R.O. 1990, Reg. 347 General-Waste Management; C.C.SM.c. W40 The Waste Reduction and Prevention Act; N.S. Reg. 51/95 and N.S. Reg. 179/96 for examples of Provincial legislation.)

#### SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

TC Shipping Description: NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORTATION UNDER TDG REGULATIONS

Revision Number: 1 Revision Date: June 17, 2008 5 of 7

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR

**DOT Shipping Description:** PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information: NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT

APPLICABLE.

#### SECTION 15 REGULATORY INFORMATION

#### **REGULATORY LISTS SEARCHED:**

01-1=IARC Group 1 01-2A=IARC Group 2A 01-2B=IARC Group 2B 35=WHMIS IDL

No components of this material were found on the regulatory lists above.

#### **CHEMICAL INVENTORIES:**

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), EINECS (European Union), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

#### WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations. (See Hazardous Products Act (HPA), R.S.C. 1985, c.H-3,s,2).

#### MSDS PREPARATION:

This Material Safety Data Sheet has been prepared by the Toxicology and Health Risk Assessment Unit, ERTC, P.O. Box 1627, Richmond, CA 94804, (888)676-6183.

Revision Date: June 17, 2008

#### SECTION 16 OTHER INFORMATION

**HMIS RATINGS:** 

Health: 1

Flammability: 1

Reactivity: 0

**LABEL RECOMMENDATION:** 

Label Category: INDUSTRIAL OIL 1 - IND1

REVISION STATEMENT: This revision updates the following sections of this Material Safety Data

Sheet: 15

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

Revision Number: 1

Revision Date: June 17, 2008

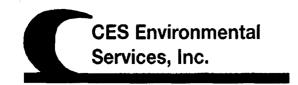
6 of 7

TLV - Threshold Limit Value	TWA Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government	IMO/IMDG - International Maritime Dangerous
Industrial Hygienists	Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health
	Administration

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Revision Number: 1 Revision Date: June 17, 2008 7 of 7

Maceytomily Properties



### Waste Pre-Acceptance/Approval Letter

Date 9/30/2008

Dear Louis Macey

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3013

Expiration Date 9/30/2010

Generator: Macey Family Properties

Address: 1717 St. James Place Ste 118

Houston, TX 77056

Waste Information

Name of Waste: Recyclable used hydraulic oil

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** Used hydraulic oil from forklift hydraulic oil change

Color: varies

Odor: none

pH: na

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

level d ppe

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

DB

DR

# CES Environmental Services, Inc.

4904 Griggs Road, F Phone: (713) 676-14 TCEQ Industrial So		676-1676 1 948	es – Port Arthur Facility rthur, TX 77641 Fax: (713) 676-1676 07 ISWR No: 88585		
SECTION 1: Mater Company: Address: City, State, Zip: Contact: Phone No: 24/hr Phone: U.S. EPA I.D. No: State I.D.	ial Producer Information Macey Fam 1717 St. Tam Houston, TX Lonis Macey 713-960-06 Na Na	ily Propertie es Place Ste 77056	Title:	-8374	
SECTION 2: Billing Company: Address: City, State, Zip:	Information - Same	as Above			
Contact:		Title:			
Phone No:		Fax No:			
SECTION 3: Gener	al Description of the Ma	terial / Product			
	Product: Recycl able Use of Process Generating o		al / Product: <u>Usec</u>	l Hydrolic Oi	l from the changing fork lifts.
Physical State:	<ul><li>✓ Liquid</li><li>☐ Solid</li></ul>	Sludge	Powder Combination		
Color: Variety Va	ries Odor	None			
Specific Gravity (wa	ter=1): <u>.79</u> D	ensity: 7-8 lbs/gal			
Does this material co	ontain any total phenolic	compounds? 🗌 Yes	⊠ No		
Does this material co	ontain any para substitut	ed phenolic compounds	s? 🗌 Yes 🛮 No	)	
Layers:	⊠ Single-phase	Multi-phase			
Container Type: Container Size:	☑ Drum ☐ <u>55 G</u>	Tote	Truck	Othe	er (explain) —
Frequency: Number of Units (co	☐ Weekly ⊠ ntainers): <u>1-50</u>	Monthly  Other:	Quarterly	☐ Year	rly
Proper U.S. DOT Sh	ipping Name:	Recyclable Used Oil			
Class: Na	UN/NA:	Na	PG: Na		RQ: Na

Approval Number:

Flash Point	рН	N/A	N/A	Solid	ls l					
>200	Na			0-5-	0-5-%					
Oil&Grease Namg/I	TOC Namg/I	Zine Namg/I	Copper Name/I	Nickel <u>Na</u> mg/l						
(Value)	1/Gulg/I	1437115/1	MG101K12	14dika8/1						
SECTION 4: Phys	ical and Chemic	al Data								
	©0WR0N	ENTSTABLE		Concentration	Units					
The material / product consists of the following materials Ranges are acceptable or %  Used FlydroulcOII 100 %										
Used HydrasicOII	·····	100		70						
	·									
				**						
<u> </u>										
ercylorie. e.s.	nhoff bedelet w									
SECTION 5: Safe		a Amail wa anniana a Alamana a Pamana	. Zaž manda udžina a za	:	·_					
Level D PPE	uis material / pr	oduct requires the use of spec	aai broiective edu	ipment, please expisi	.A.					
SECTION 6: Attac	ched Supporting	<u>Documents</u>								
List all documents, MSDS Sheets	notes, datu, and	l/or analysis attached to this f	orm as part of the	material / product p	rofile.					
SECTION 7: Incom	mpatibilities									
Please list all incom	ipatibilities (if a	ny);								
SECTION 8: Mate	rial Producer's	Certification								
SECTION 8: Material Producer's Certification  The information contained herein is based on  generator knowledge and/or  analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.										
Authorized Signati	ıre:	un Mace	7 	Date: <u>09/22/08</u>						
Printed Name/Title	" Louis	macey		•						
		1								
CES USE ONLY (DO )	ot write in th	IS SPACE)	······································	• • • • • • • • • • • • • • • • • • • •	· · · · · · · · · · · · · · · · · · ·					
Technical Manager:	***********	in (A) details								
Date:		Approved Rejected								
		•								



# Hydraulic Oil

### PROCESS FACILITY INFORMATION (CES USE ONLY!!)

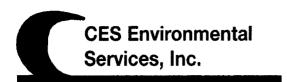
1.	Base Pricing (including freight):
	\$0/dm- if no water
	if any water then \$30/dm
	·
ļ	
Į	
2.	Contamination Limits (maximum limit before surcharges apply):
ſ	Fails Chlor-d-Tect
l	
2	Cunahanga Duiainga
3.	Surcharge Pricing:
	None
}	
ı	
Į	
4	Supplied Tooking Descriptory
4.	Special Testing Requirements:
Ì	Chlor-d-Tect, Flash, % Water, (See if can go with Base Oil); do an inbound and list how many alrums have water and how many one 160% oil, we change \$30 for every drum that has any water init.
	dreme have water and have marry as 160 % it work . 52. t
	of this is the contract of the
	for every drum that has any water init.
- }	
į	
5.	Treatment and Handling Protocol:
J.	
	Recycle in Oil facility
i	
L	
6.	Treated Wastewater Discharge Subcategory:
٠.	Treated wastewater Discharge Subcategory.
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C
- 1	



#### PROCESS FACILITY INFORMATION (CES USE ONLY!!)

	lests for Product Recovered/Recycled (II applicable):
	Standard Oil Tests
8.	Management for Product Recovered/Recycled (if applicable);
8.	Management for Product Recovered/Recycled (if applicable):  Sell in appropriate Oil Market
8.	
8.	
8.	

3014 GATX Rail (Galena)



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

**pH**: 4-6

### Waste Pre-Acceptance/Approval Letter

Date 9/30/2008

Dear Trey Weiser

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3014

**Expiration Date** 9/30/2010

Generator: GATX Rail Corporation (Galena Park)

**Address:** 1216 Clinton Drive

Galena Park, TX 77547

Waste Information

Name of Waste: Used citri clean TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

cleaning of rail car parts in repair operations

ordaning of fair our parts in repair operations

Color: dark Odor: citrus

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.





# CES Environmental Services, Inc.

U.S. EPA ID N	4904 Grigg Phone (713) 6 umber: TXDOC Q Industrial Sc	00	2420 S. Gulfway Dr., Port Arthur, TX 77641 Phone (713) 676-1460 Fax: (713) 676-1460 U.S. EPA ID Number: TXR000079307 ISWR Number: 88585											
SECTION 1:	Generator In		_											
Company:	GATX Rail Co	•	(Galena	Park)										
Address:	1216 Clinto													
City:	Galeria Rark			St	ate:	TX		_Zip:					7	7547
Contact:	Ernie Guzma	an				Title:								
Phone Num			4999 ext	13		Fax Numbe	er:	312-499-	7392					
24/hr Phon		832-978												
US EPA ID N	lo:	TXCESQ	ì											
State ID No:	:	CESQG				SIC Code:		NA						
SECTION 2: Company: Address:	Billing Inform	mation -	✓ <u>s</u>	ame as Abo	<u>ove</u>									
City:				C+	ate:			7in.						
Contact:				sı	ate.	Title:		_Zip:						
Phone Num	hor						~=.				-		-	
Phone Num	ber:					Fax Numbe	er.							
Name of Wa	General Des	Used Cita	i Clean	<del></del>									-	
	rail car parts i			S SI	udge Iter Cake	_		Powder Combinat	tion					
Color:	dark					Odor:		citrus						
Specific Gra	vity (water=:	1):	1-1	.05				Density:	8.34	<u>-8.4</u> li	os/gal			
Does this m	aterial conta	in any tot	al pheno	lic compou	nds?	□ <b>`</b>	Yes	<u> </u>	No No					
Does this m	aterial conta	in any pai	a substit	uted pheno	olic comp	ounds?			Yes	✓ N	lo			
Is the Waste	e subject to t	he benzer	ne waste	operation !	NESHAP?	(40 CFR Pa	rt 6	51, Subpart	FF)		☐ Ye	s	<b>√</b>	No
Answer "Yes	s" if your was	te contain	s benzen	e AND if th	e SIC code	e from your	r fa	cility is one	of the	followi	ng:			
2812	2813	}	2816	2819	2821	28	322	282	3	2824	28	333		2834
2835	2836	<b>;</b>	2841	2842	2843	28	344	285	1	2861	28	365		2869
2873	2874	ļ	2876	2879	2891	28	392	289	3	2896	28	399		2911
3312	4953	;	4959	9511		**								
Layers:	☐ Sing	gle-phase	[₹	] Multi-pl	nase									
Container T	ype: 🔽	Drum	☐ Tot	e 🗌 Tr	uck 🗹	Other (exp	lair	n)						
Frequency: Quantity:	Weekly 1 drum/15		-	Yearly 🔽	One-Ti	me								

Is this a USEPA "Hazardous Waste" per 40CFR 261.3? Yes Volume No If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto											
If "Yes", Is it: D001 (Ignitable) D002 (Corrosive) D003 (Reactive)  Characteristic for Toxic Metals: D004 D005 D006 D007 D008 D009  D010 D011  Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)											
Is this an "F" or "K" Listed waste or mixed with one?  If "Yes", then please list ALL applicable codes:											
Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)?											
Texas State	Texas State Waste Code Number: Recycle										
Proper US D	OT Shipping	Name:	Flammable	Liquid, n.c	).S.						
Class:	3	UN/NA:	UN1993	PG:	11	RQ:	NA				
Flash	Point	р	Н	Reac	tive Sulfides	Reactiv	e Cyanides	Soli	ds		
	-135		-6	na	mg/l	na	mg/l	0-2	%		
Oil &	Grease	TO	oc		Zinc Coppe		pper	Nic	kel		
1-5	mg/l	na	mg/l	na	mg/l	na	mg/l	na	mg/l		

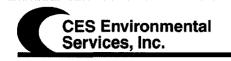
**SECTION 4:** Physical and Chemical Data

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
Citir Clean	60-85	%
Water	10-40	%
Oil (lube)	1-5	%
Dirt	0-2	%

SECTION 6: Attached Supporting Documents  List all documents, notes, data and/or analysis attached to this form as part of the wast approval package.  MSDS, CES Lab report	e
SECTION 7: Incompatibilities Please list ALL incompatibilities (if any): None known	
SECTION 8: Generator's Knowledge Documentation  Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERI based upon the following generator knowledge:	FORMED
TCLP Metals: NA	
TCLP Volatiles: NA	
TCLP Semi-Volatiles: NA	
Reactivity: NA	
Corrosivity: NA	
Ignitability: NA	
SECTION 9: Waste Receipt Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Requirement Facilities)  Is this material a wastewater or wastewater sludge?  If 'Yes', complete this section.	rements for Centralized Waste Treatment  YES  NO
PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO	THE NEXT PAGE.
PERSECUENT TIE AT NOT MALE SON, IN NO AT NOT MALE CATEGORY GO TO	THE VERY LAGE.
Metals Subcategory: Subpart A  Spent electroplating baths and/or sludges  Metal finishing rinse water and sludges  Chromate wastes  Air pollution control blow down water and sludges  Spent anodizing solutions Incineration wastewaters  Waste liquid mercury  Cyanide-containing wastes greater than 136 mg/l  Waste acids and bases with or without metals  Cleaning, rinsing, and surface preparation solutions from electroplating or phosp  Vibratory deburring wastewater  Alkaline and acid solutions used to clean metal parts or equipment	hating operations
Oils Subcategory: Subpart B	
Used oils	
☐ Oil-water emulsions or mixtures ☐ Lubricants	
Coolants	
Contaminated groundwater clean-up from petroleum sources	
Used petroleum products	
Used petroleum products Oil spill clean-up Bilge water	

09/25/2008 19:34 7134550540

☐ Interceptor wastes ☐ Off-specification fuels ☐ Underground storage remediation waste ☐ Tank clean-out from petroleum or oily sources ☐ Non-contact used glycols ☐ Aqueous and oil mixtures from parts cleaning operations ☐ Wastewater from oil bearing paint washes  Organics Subcategory: Subpart C
Landfill leachate   Contaminated groundwater clean-up from non-petroleum sources   Solvent-bearing wastes   Off-specification organic product   Still bottoms   Byproduct waste glycol   Wastewater from paint washes   Wastewater from adhesives and/or epoxies formulation   Wastewater from organic chemical product operations   Tank clean-out from organic, non-petroleum sources
(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)  If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.  Cadmium: 0.2 mg/L  Chromium: 8.9 mg/L  Copper: 4.9 mg/L  Nickel: 37.5 mg/L
(3)  If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.  Metals Subcategory  Oils Subcategory  Organics Subcategory
SECTION 10 Additional instructions
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.
SECTION 11: Generator's Certification  The information contained herein is based on
Authorized Signature: Date: 9/21/08
Printed Name/Title: Emish Uuzmax
CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Compliance Officer:
Date: Q-30-08



### PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
\$75.00/55 gal drum; \$25.00/5 gal bucket; \$70.00/hour transportation
2. Contamination Limit (maximum limit before surchages apply):
NA NA
3. Surcharge Pricing:
NA
4. Special Testing Requirements:
Chlordtect on oil phase, pH, flash, % o saids, phenon, metals  1 Drum - Process to the heart tank
1 Urum - Process to be heart tank
5. Treatment and Handling Protocol:
Mix with black oils
6. Treated Mestavator Discharge Subsetagens
6. Treated Wastewater Discharge Subcategory:
Cubestagony A Subestagony B Subestagony C



#### PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):	
NA	****
8. Management for Product Recovered/Recycled (if applicable	)
8. Management for Product Recovered/Recycled (if applicable	)
	)
8. Management for Product Recovered/Recycled (if applicable NA	)
	)

# MSDS Material Safety Data Sheet

CITRI-CLEAN

Page 1 of 4

MSDS Number: 4006

Revision Date: OCT-04-2003

#### PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

UNITEX 3101 GARDER AVENUE

KANSAS CITY, MO 64120

Contact: Telephone Number: 816-231-7700 FAX Number: 816-483-3149
E-Mall: mail@unitex-chemicals.com
Web www.unitex-chemicals.com

Product Name:

CITRI-CLEAN Revision Date: OCT-04-2003

MSDS Number:

4006

Common Name:

CITRI-CLEAN CITRI-CLEAN

Product Code:

CLEANER, DEGREASER

Product Use:

Emergency Telephone No.: 800-424-9300

MSDS Prepared by: Wm. Michael Simmons Director of Safety Phone: 816-231-7700

HAZARD RATINGS: HEALTH (1) FIRE (2) REACTIVITY (0) EQUIPMENT (C)

#### COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #

Chemical Name

Perc.

5989275 | Citrus Distillates

1 >95%

NE

> 5%

#### HAZARDS IDENTIFICATION

Route of Entry:

Target Organs:

Eves: Skin: Swallowing: Inhalation

Exposure to this material (or a component) has been found to cause kidney damage in male rats. The mechanism by which this toxicity occurs is specific to the male rats and the kidney effects are not

expected to occur in humans.

inhalation:

Breathing of vapor or mist is possible. Breathing small amounts of this material during normal handling

is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms usually

Skin Contact:

occur at air concentrations higher than the recommended exposure limits May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include

redness, burning, drying and cracking of skin, and skin burns. Additional symptoms of skin contact may include: allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effects) Passage of this material into the body through the skin is possible, but it is unlikely

that this would result in harmful effects during safe handling and use.

Eye Contact:

May cause mild eye irritation, Symptoms include stinging, tearing, and redness,

Ingestion:

Swalloing small amounts of this material during normal handling is not likely to cause harmful effects.

Swalloing large amounts may be harmful.

# MSDS Material Safety Data Sheet

CITRI-CLEAN

Page 2 of 4

MSDS Number: 4006

Revision Date: OCT-04-2003

#### FIRST AID MEASURES

Inhalation:

Remove to fresh air. If discomfort persists, get medical attention.

Skin Contact:

May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns. Additional symptoms of skin contact may include: allergic skin reaction (delayed skin rash which may be followed by blistering, scaling and other skin effect). Passage of this material into the body through the skin is possible, but it is unlikely that this would

result in harmful effects during safe handling and use

Eye Contact:

May cause eye irritation. Symptoms include stinging, tearing, and redness. Flush with fresh water for 15

minutes while gently holding open eyelids.

Ingestion:

Swallowing small amounts of this material during normal handling is not likely to cause harmful effects.

Swallowing large amounts may be harmful.

#### FIRE FIGHTING MEASURES

Flash Polni:

122F/ 177C

Flash Point Method

Pensky Martens Closed Cup

Burning Rate:

ND Autoignition Temperature: ND

LEL:

NE

UEL:

NE

Flammability Classificati Moderate

NFPA Class B extinguisher (co2, dry chemical or foam) for class 1C fires. Water spray may be ineffective on fire but can protect fire-fighters and cool closed containers. Use fog nozzels if water is used. Use air supplied breathing masks. Unusual Fire and Explosion Hazards: Keep away heat and open flame. Closed container may explode if exposed to extreme heat.

#### **ACCIDENTAL RELEASE MEASURES**

SMALL SPILL

Absorb liquid with vermiculitem floor absorbent or other absorbent material.

#### LARGE SPILL

Eliminate all ignition sources (flares, flames including pilot lights, electrical sparks). Persons not wearing protective equipment should be excluded from area or spill until cleen-up has been completed. Stop spill at source. Prevent from entering drains, sewers, streams or other bodies of water. Prevent from spreading, If run-off occurs, notify authorities as required. Pump or vacuum transfer spilled product to clean containers for recovery. Absorb unrecoverable product, Transfer contaminated absorbent, soil and other materials to containers for disposal. Prevent run-off to sewers, streams or other bodies of water.

#### HANDLING AND STORAGE

Handling Precautions:

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, an/or solid), all hazard precautions given in the data sheet must

be observed.

INDUSTRIAL USE ONLY!

Storage Regulrements:

Keep away from heat, sparks, and flames. Store in a cool/dry area. DO NOT STORE ABOVE 49C (120F). Store away from oxidizers. Keep out of reach of children.

#### EXPOSURE CONTROLS/PERSONAL PROTECTION

# MSDS Material Safety Data Sheet

CITRI-CLEAN

Page 3 of 4

MSD\$ Number: 4006

Revision Date: OCT-04-2003

Engineering Controls: Protective Equipment:

Respiratory Protection: NIOSH approved respirator for emergency use. Local exhaust is

**Bolling Point:** 

Spec Grav./Density: ND

Solubility:

348-350 F

Moderate

Freezing/Melting Pt.: Varies on concentration

preferable. Mechanical equipment is acceptable. Protective gloves; must not dissolve in solvents, Eye protection use splash proof safety goggles.

Other equipment as required to prevent prolonged contact.

Note to Physicians: Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions).

This material is not listed by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

#### PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Clear water-white to slightly orange

Physical State:

Liquid

Odor:

Orange Citrus

ρH:

ND

Vapor Pressure:

20C(Mm of Hg): 1.0

Vapor Density:

Heat Value:

ND

Evan Rale:

Slower Than Ether

Percent Volatile:

100%

#### STABILITY AND REACTIVITY

Stability:

10

Conditions to avoid:

Heat, sparks and open flame.

Materials to avoid (incompatability):

Isolate from strong oxidizers such as permanganate.

Hazardous Decomposition products: Carbon Monoxide and Carbon Dioxide,

Hazardous Polymerization;

Will not occur.

#### TOXICOLOGICAL INFORMATION 11

No data avallable

12

**ECOLOGICAL INFORMATION** 

No data available

**DISPOSAL CONSIDERATIONS** 

Dispose of in accordance with all applicable local, state and federal regulations.

7134550540

## Material Safety Data Sheet

Page

MSDS Number: 4006

Revision Date: OCT-04-2003

14

TRANSPORT INFORMATION

Consult DOT 49 CFR 172.101 for transportation information.

15

REGULATORY INFORMATION

**US Federal Regulations** 

TSCA (Toxic Substance Control Act) Status: TSCA (United States) The international Ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a) - None listed

SARA 302 Components - 40 CFR 355 Appendx A - None

Section 311/312 Hazard Class - 40 CFR 370.2 Immediate(x) Delayed() Fire(x) Reactive() Sudden Release of Pressure()

SARA 313 Components - 40 CFR 372.5 - None

OSHA Process Safety Management 29 CFR 1910 - None listed

EPA Accidental Release Prevention 40 CFR 69 - None listed

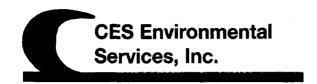
State and Local Regulations California Proposition 65 - None

16

OTHER INFORMATION

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR

**END OF MSDS DOCUMENT** 



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

To: Dana Carter

Date: 09/24/08

Cc: Matt Bowman, Gary Peterson, Prabhaker,

Matt Moser, Joe Camp

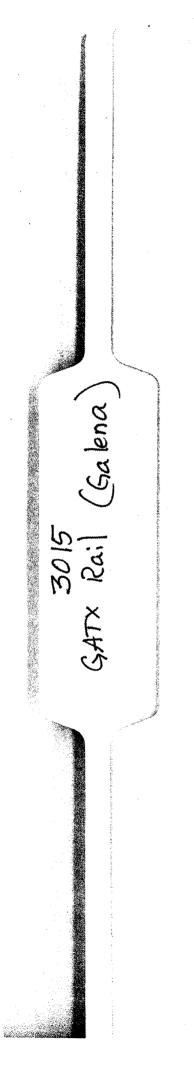
From: Miles Root

Lab Memo: 08-162

Subject: GATX Galena Park Evaluation 0908-45

A sample of used cleaner from GATX, Galena Park, has been evaluated for potential processing at CES. This sample is evaluation 0908-45. This sample represents a stream of approximately one drum of citrus cleaner and water used in rail car repair operations.

The cleaner is an organic solvent that mixes readily with our black oil. It has a chlor-d-tect of 1000 mg/L, which is acceptable. The flash point of this material is 130-135 deg F. The water phase has a pH of 4.3 and is approximately 40% of the sample. This sample readily separates out into the oil and water phases so it does not need heat or acid to break out. We should price to cover our extra labor costs for handling just one drum and process to recover the oil phase.





4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

### Waste Pre-Acceptance/Approval Letter

Date 10/1/2008

Dear Trev Weiser

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3015

Expiration Date 10/1/2010

Generator: GATX Rail Corporation (Galena Park)

Address: 1216 Clinton Drive

Galena Park, TX 77547

Waste Information

Name of Waste: RCRA empty containers

TCEQ Waste Code #: recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

empty containers

Color: na

Odor: na

pH: na

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

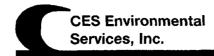
standard

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

ISWR No: 30900

SECTION 1: Genera	ator Informatio	ก								·						
Company:	GATX Rail C	orporati	on (Gal	ena Pa	rk)				_			_				
Address :	1216 Clinton	Drive														
City, State, Zip:	Galena Park	TX 775	47	<u>_</u>												
Contact :	Trey Weiser							Title :	_							
Phone No:	(713) 455-49	99						Fax:	_							
24 / HR Phone:																
U.S EPA I.D No:	N/A															
State I.D :	N/A		<u> </u>					SIC Co	de _							
SECTION 2: Billing	Information															
Company: GATX Rail Corporation (Galena Park)																
Address :	1216 Clinton											-		<u> </u>		
City, State, Zip:	Galena Park	TX 7754	47													
Contact :	Trey Weiser							Title :								
Phone No :	(713) 455-49	99						Fax:								
SECTION 3: Genera	al Description	of the W	aste													
Name of Waste :	RCRA empty	contain	ers													
Detailed Descript	tion of the Pr	ocess (	Senera	ting Wa	aste:											
empty containers																
Physical State :	Liquid	d d		Slu	dge		Pov	wder								
	<b>✓</b> Solid			Filt	er Cake		Co	nbinatio	n							
Color:				na		Od	Odor:					na				
Specific Gravity (	Water=1):			na		Density :			_	na			lbs / gal			
Does this material	contain any tot	al pheno	olic com	pound	s?	☐ Ye	s	<b>✓</b> No								
Does this material	contain any pa	ra subst	ituted p	henolic	compo	unds?		Yes		<b>✓</b> No						
Is the Waste subject	t to the benze	ne waste	operat	ion NES	SHAP? (4	40 CFR F	Part 61,	Subpart	FF)		Yes	<b>✓</b>	No			
2812 2813 2	816 2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851		
2861 2865 2	869 2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511		
Layers :	✓ Singl	e-Phas		Mu	lti-Phas	e										
Container Type :	<b>✓</b> Drum		T	ote		Truck		Other (	expla	ain)						
Container Size :	55 ga	<u> </u>														
Number Of Units	:5															
Is this a USEPA "H						_	Yes	✓ No								
If "Yes", then ple	ease complete, s	sign and			ying Haza	ardous Co	onstituen	its Form a	attach	ed hereto						
If "Yes", is it:	D001 _	D002		D003												

Characteristic for Toxic				, C.	2007			
	☐ <b>D008</b>	<u></u> □ D00	09 🗌 D010	, , ,	0011			
Characteristics for Toxic	Organics: D012 thr	u D043 (pl	ease list all tha	t apply)				
Is this an "F" or "K" List	ed waste or mixed w	vith one?	Yes	✓ No				
If "Yes", then please	list ALL applicable o	odes:	***************************************					
Is this a commercial pro 261.33(e) or (f)?	duct or spill cleanup	that would	d carry a "U" or	"P" wast	e code under 40	CFR 🗌 Y	ſes ✓ N	io
If "Yes", then please	e list ALL applicable o	codes:						
Texas State Waste Cod	e No :	recycle						
Proper U.S. State Waste	e Code No :		Non-RCRA/Nor	-DOT Re	gulated Material(	empty conta	iners)	
Class: na	UN/NA:	na		PG:	na		RQ:	na
Flash Point	pH	<del></del>	Reactive Sulf	ides	Reactive Cyar	nides	Solids	
na	na		na	mg/l	na	mg/l	na	%
Oil and Grease	тос		Zinc		Copper		Nickel	_
namg/	na na	mg/l	na	mg/l	na	mg/l	na	mg/l
SECTION 4: Physical and (	Chemical Data							
YND A STATE OF	COMPONENTS	2000 00 to 5000 0000 0000 0000 0000 0000		tik di	(III) 10 (II) 10 (III) 10 (III	ncentration		Inits
The material	/ product consists		owing material	S	Ranges	are accept	table c	or %
	empty conta	iners				100		%
								1
						-		
SECTION 5: Safety Related	l Data							
If the handling of this w	aste requires the u	se of spec	ial protective	equipme	nt, please explai	n.		
standard								
SECTION 6: Attached Supp								
List all documents, note	es, data, and/or ana	lysis attac	hed to this for	m as par	t of the waste a	oproval pac	kage.	
none								
POTION TO LOCALIDADE PLANT								
SECTION 7: Incompatibiliti								
Please list all incompati none	bilities (if any):							
lone								
SECTION 8: Generator's Kı	nowlodgo Documenta	tion						
_aboratory analysis of to following generators kn	he hazardous wast		eristics, listed	below, W	AS NOT PERFO	RMED base	d upon the	
CLP Metals :	<u>X</u>							
CLP Volatilies :	<u>^</u> <u>X</u>							
CLP Semi-Volatiles :								
Reactivity :	X							
todouvity .	X		2					
			-					

lgnita	ability: <u>x</u>			
SECT	ION 9: Waste Receipt Class	sification Under 40 CFR 437		
Is this	s material a wastewater or	wastewater sludge?	☐ YES	<b>☑</b> NO
If 'YE	S', complete this section			
PLEA	ASE CHECK THE APPRO	PRIATE BOX: IF NO APP	ROPRIATE	CATEGORY, GO TO THE NEXT PAGE
Matal	Spent anodizing solution Incineration wastewaters Waste liquid mercury Cyanide-containing wast Waste acids and bases	hs and/or sludges er and sludges down water and sludges as s tes greater than 136 mg/l with or without metals	a frama ala ak	
		urface preparation solution	is from electi	roplating or phospha
	Vibratory deburring wast Alkaline and acid solution	ns used to clean metal pa	rts or equipn	nent
	, intaining and dold bold to	no dood to olodii motal pa	ito or oquipri	
	Used petroleum product. Oil spill clean-up Bilge water Rinse/wash waters from Interceptor wastes Off-specification fuels Underground storage rer Tank clean-out from petr Non-contact used glycols Aqueous and oil mixtures Wastewater from oil bear	nixtures  ater clean-up from petroleus  petroleum sources  mediation wastes roleum or oily sources s s from parts cleaning oper		
	Solvent-bering wastes Off-specification organic Still bottoms Byproduct waste glycol Wastewater from paint w	ter clean-up from non-petr		ces

Corrosivity:

X

☐ Wastewater from organic chemical product operations

Tank clean-out from organic, non-petroleum sources	
(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste s	should be classified in the oils subcategory
(2) If the waste contains oil and grease less than 100 mg/L, and has any of the excess of the values listed below, the waste should be classified in the meta	
Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L	
(3) If the waste contains oil and grease less than 100 mg/L, and does not have or nickel above any of the values listed above, the waste should be classified	
☐ Metals Subcatego	
Oils Subcatego	
☐ Organics Subcategory	
SECTION 10: Additional Instruction	
If you cannot determine the correct subcategory in Section 9 and you did not fur Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a common concentrations. This will be prior to acceptance. The generator will be responsible.	mercial laboratory a sample to determine these
SECTION 11: Generator's Certification	
The information contained herein is based on ☑ generator knowledge ar above and attached description is complete and accurate to the best of my deliberate or willful omissions of composition properties exist and that all disclosed. I certify that the materials tested are representative of all mater	y knowledge and ability to determine that no known or suspected hazards have been
Authorized Signature :	Date :
Printed Name / Title: none needed /	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	Process Facility Information :
Compliance Officer : Prabhakar Thangudu	
Date: 10/1/2008 Status: Approved Rejected	
Approval Number: HOU-3015	



X 8 1.09 8 1.35 1.09



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 10/2/2008

Dear Mark Broome

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # HOU-3016

**Expiration Date** 10/2/2010

**Generator:** Ineos Polymers

Address: 1230 Battleground Road

La Porte, TX 77571

Waste Information

Name of Waste: Antifreeze TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Equipment maintenance

**Odor:** antifreeze/glycol

**pH:** 3-11

Color: green **Physical State:** 

Incompatibilities: na

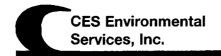
Safety Related Data/Special Handling:

na

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Informati	on												
Company :	Ineos Polym	iers								_				_
Address :	1230 Battle	ground F	Road 1	230 Ba	ttlegrour	nd Rd sı	uite 500	)						
City, State, Zip:	La Porte TX	77571												
Contact :	Mark Broom	ie						Title:						
Phone No :	(713) 307-3	740						Fax:			•			
24 / HR Phone :								_						
U.S EPA I.D No :														
State I.D :								_SIC C	ode				-	
SECTION 2: Billing	Information													
Company :	Ineos Polym	ners												
Address :	1230 Battle	ground F	Road 1	230 Ba	ttlegrour	nd Rd su	uite 500	)					-	
City, State, Zip :	La Porte TX	77571												
Contact:	Mark Broom	e						Title :						
Phone No:	(713) 307-37	740						Fax:						
SECTION 3: Genera	al Description	of the V	/aste											
Name of Waste :	Antifreeze													
Detailed Descript	tion of the P	rocess	Genera	iting W	aste:									
Equipment mainte	enance													
Physical State :	<b>✓</b> Liqui	id		∭ Slu	ıdge		Po'	wder						
	Solid	ı		Filt	er Cake		Co	mbinatio	on					
Color:			!	green		Od	or:				antifr	eeze/gl	ycol	
Specific Gravity (	(Water=1) :			1		De	nsity :				8			lbs / gal
Does this material	contain any to	tal phen	olic cor	npound	s?	☐ Ye	s	<b>✓</b> No	•					
Does this material	contain any pa	ara subs	tituted	phenolic	compo	unds?		Yes		<b>✓</b> No				
Is the Waste subject	ct to the benze	ene wast	e opera	tion NE	SHAP? (4	40 CFR F	Part 61,	Subpart	FF)		Yes	<b>✓</b>	No	
2812 2813 2	2816 2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861 2865 2	2869 2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511
Layers :	<b>✓</b> Sing	le-Phas	<b>;</b>	∭ Mu	lti-Phas	se								
Container Type :	<b>✓</b> Drun	n 🛚	T	ote		Truck		Other	(explai	n)				
Container Size :	55													
Number Of Units	:10													
Is this a USEPA "F If "Yes", then plo		-				-	<b>Yes</b> onstituer	☐ <b>N</b> nts Form		d hereto				
If "Yes", is it:	D001 [	7 poo2		D003										

Characteristic for Toxic			_	_	2007			
<u>.</u>	□ D008				0011		y	
Characteristics for Toxic	: Organics: D012 thru	u D043 (pie	ease list all tha	t apply)				
Is this an "F" or "K" List	ed waste or mixed w	rith one?	☐ Yes	☐ No				
If "Yes", then please list ALL applicable codes:								
Is this a commercial pro 261.33(e) or (f)?	duct or spill cleanup	that would	d carry a "U" o	r "P" wasi	te code under 40	CFR 📋	Yes 🗌 N	lo
If "Yes", then please	list ALL applicable o	odes:						
Texas State Waste Code	e <b>No</b> : F	Recycle						
Proper U.S. State Waste	Code No :		Non-F	RCRA/Nor	n-DOT Regulated	Material		
Class: na	UN/NA:	na		PG:	na		RQ:	na
Flash Point	рН		Reactive Sulf	ides	Reactive Cyar	nides	Solids	
210	3-11		na	mg/l	na	mg/l	0	<u></u> %
Oil and Grease	тос		Zinc		Copper		Nickel	
>1500 mg/	>1500	mg/l	na	mg/l	na	mg/l	na na	mg/l
OCCION 4. Division and	Discussional Darks							
SECTION 4: Physical and 0			NASSSELLENSISS OF DESCRIPTION OF			Carried Ha ha last 1	**************************************	
The material	COMPONENTS / product consists of		wing materia		-0.080 Park 15 10 10 10 10 10 10 10 10 10 10 10 10 10	ncentrations are accep		nits or %
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	propylene glycol		wing materia		Runger	100	table   c	%
<u> </u>	, ,,							
		·····						
SECTION 5: Safety Related	Data							
If the handling of this w	aste requires the us	e of spec	ial protective	equipme	nt, please explai	in.		
na	·	•	•					
SECTION 6: Attached Supp	orting Documents							
List all documents, note	s, data, and/or anal	lysis attac	hed to this fo	rm as pai	t of the waste a	pproval pac	kage.	
na								
SECTION 7: Incompatibiliti								
Please list all incompati	bilities (if any):							
na								
OFOTION O. O		<b></b>						
SECTION 8: Generator's Kr			wiadiaa lindad	halass Mi	AS NOT DEDEO	DMED has	al uman tha	
Laboratory analysis of the following generators known		- characte	risucs, listed	DEIOW, W	AS NOT PERFU	LINIED DAS	a apon me	
TCLP Metals :	<u>x</u>							
TCLP Volatilies :	×							
TCLP Semi-Volatiles :	<u>x</u>							
Reactivity :	X							
			2					

Ignitability: <u>x</u>	
SECTION 9: Waste Receipt Classification Under 40 CFR 437	
Is this material a wastewater or wastewater sludge? YES VO	
If 'YES', complete this section	
PLEASE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAG	iΕ
Matals Subcategory: Subpart A	
Spent electroplating baths and/or sludges	
Metal finishing rinse water and sludges	
Chromate wastes	
Air pollution control blow down water and sludges	
Spent anodizing solutions	
Incineration wastewaters	
☐ Waste liquid mercury	
Cyanide-containing wastes greater than 136 mg/l	
Waste acids and bases with or without metals	
Cleaning, rinsing, and surface preparation solutions from electroplating or phospha	
☐ Vibratory deburring wastewater	
Alkaline and acid solutions used to clean metal parts or equipment	
Oile Subsetement Submert B	
Oils Subcategory: Subpart B  Used oils	
Oil-water emulsions or mixtures	
Lubricants	
☐ Coolants	
Contaminated groundwater clean-up from petroleum sources	
Used petroleum products	
Oil spill clean-up	
☐ Bilge water	
Rinse/wash waters from petroleum sources	
☐ Interceptor wastes	
Off-specification fuels	
Underground storage remediation wastes	
Tank clean-out from petroleum or oily sources	
Non-contact used glycols	
Aqueous and oil mixtures from parts cleaning operations	
Wastewater from oil bearing paint washes	
Organics Subcategory Subpart C	
Landfill leachate	
Contaminated groundwater clean-up from non-petroleum sources	
Solvent-bering wastes	
Off-specification organic product	
Still bottoms	
Byproduct waste glycol	
Wastewater from paint washes	
□ Wastewater from adhesive and/or enovies formulation	

Corrosivity:

x

Wastewater from organic chemical product operations

Tank clean-out from organic, non-petroleum sources	
(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste shou	ıld be classified in the oils subcategory
(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollu excess of the values listed below, the waste should be classified in the metals so	
Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L	
(3) If the waste contains oil and grease less than 100 mg/L, and does not have condor nickel above any of the values listed above, the waste should be classified in	
☐ Metals Subcatego	
☐ Oils Subcatego	
☐ Organics Subcategory	
SECTION 10: Additional Instruction	
If you cannot determine the correct subcategory in Section 9 and you did not furnish Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commerci concentrations. This will be prior to acceptance. The generator will be responsible for	ial laboratory a sample to determine these
SECTION 11: Generator's Certification	
The information contained herein is based on   generator knowledge and/or above and attached description is complete and accurate to the best of my knowledge and deliberate or willful omissions of composition properties exist and that all knowledge. I certify that the materials tested are representative of all materials	owledge and ability to determine that no own or suspected hazards have been
Authorized Signature :	_ Date :
Printed Name / Title : _/	-
CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Compliance Officer: Prabhakar Thangudu	Process Facility Information :
Date: 10/2/2008 Status: Approved Rejected	
Approval Number: HOU-3016	



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

pH: na

# Waste Pre-Acceptance/Approval Letter

Date 9/16/2008

Dear Dan Estes

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2989

**Expiration Date** 9/16/2010

**Generator:** Dresser Roots (Tanner Road) **Address:** 11611 Tanner Road Bldg B

Houston, TX 77041

Waste Information

Name of Waste: Unused and used oil

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Equipment fluid changes and off-spec material

Color: black/amber Odor: oil like

Physical State:

**Incompatibilities:** oxidizers

Safety Related Data/Special Handling:

level d

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

# CES Environmental Services, Inc.

SEP 10 2008 Houston, TX 77021 BY:----

DECEIVEN

4904 Griggs Road Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

ISWR No: 30900



SECTION 1: Genera						
Company:	Dresser Roots (Tanno					
Address:	11611 Tanner Road I	Bldg. B				
City, State, Zip:	Houston, TX 77041					
Contact:	Dan Estes		Title:	EH & S N		
Phone No:	713-896-4810		Fax No:	713-896-4	1927	
24/hr Phone:	CES-713-676-1460					
U.S. EPA I.D. No:			SIC Code:			
State I.D.	······································		SIC Code:			
SECTION 2: Billing Company: Address: City, State, Zip:	Information – 🛛 Sa	me as Above				
Contact:	<del></del>	Title:				
Phone No:		Fax No:				
SECTION 3: Genera	l Description of the V	<u>Waste</u>				
·	Name of Waste: Unused and used oil  Detailed Description of Process Generating Waste: Equipment fluid changes and off-spec material  Physical State:   Liquid  Sludge  Powder					
•	☐ Solid	Filter Cake	Combination			
Color: black/amber	Od	or: <u>oil like</u>				
Specific Gravity (water	er=1): <u>1.3</u>	Density: 10 lbs/gal				
Does this material con	ntain any total pheno	lic compounds? 🗌 Yes	⊠ No			
Does this material con	ntain any para substi	tuted phenolic compounds	? 🗌 Yes 🛛	No		
Layers:	⊠ Single-phase	Multi-phase				
Container Type:	□ Drum	☐ Tote ☐	Truck		Other (explain)	
Container Size:	<u>55</u>					
Frequency: Number of Units (con Texas State Waste Co		Monthly Other: Recyclable Material	Quarterly		Yearly	
Proper U.S. DOT Shi	pping Name:	Non-RCRA; Non-DOT	Regulated Mat	erial		
Class: NA	UN/NA:	NA NA	PG: NA		RO: NA	

Flash Point	рH	Reactive Sulfides	Reactive Cya	nides Solids
<u>NA</u>	<u>NA</u>	<u>NA</u> mg/l	NAmg/I	<u>&lt;2</u> %
Oil&Grease	TOC	Zinc	Copper	Nickel
>1500mg/l	>1500mg/l	Omg/I	0mg/l	0mg/l

#### **SECTION 4: Physical and Chemical Data**

COMPONENTS TABLE	Concentration	Units	
The waste consists of the following materials	Ranges are acceptable	or %	
Used Combustion oil	33-100	%	
Off-Spec unused Oil	33-100	%	
Water	0-33	%	

#### **SECTION 5: Safety Related Data**

If the handling of this waste requires the use of special protective equipment, please explain. Level D

#### **SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. CES Evaluation Report

#### **SECTION 7: Incompatibilities**

Please list all incompatibilities (if any):

oxidizers

TCLP Metals: TCLP Volatiles:

### **SECTION 8: Generator's Knowledge Documentation**

Laboratory analysis of the hazardous waste characteristics,	listed below,	WAS NOT	<b>PERFORMED</b>	based upon t	he following
generator knowledge:					

TCLP Semi-Volatiles	: <u>X</u>
Reactivity:	<u>X</u>
Corrosivity:	<u>X</u>
Ignitability:	<u>X</u>
SECTION 9: Genera	tor's Certification
The information contain	ined herein is based on 🛛 generator knowledge and/or 🔲 analytical data. I hereby certify th

The information contained herein is based on generator knowledge and/or analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:

Date: 9-9-08

Printed Name/Title: Dan Estes - Material's Manager

CES USE ONLY (DO NOT WRITE IN THIS SPACE)

Compliance Officer: Pebben Jan

Date: 9-16-08 Approved Rejected

Approval Number: 2989

<u>s</u>	SECTION 10: Waste Receipt Classification Under 40 CFR 437
I	s this material a wastewater or wastewater sludge?   YES  NO
I	f 'Yes', complete this section.
F	PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
<u>Me</u>	tals Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
<u>Oil:</u>	s Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Org</u>	ganics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation
$\exists$	Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the v	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excessivalues listed below, the waste should be classified in the metals subcategory.
	Chrom Coppe	um: 0.2 mg/L ium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, cabove any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
	$\boxtimes$	Oils Subcategory

### **SECTION 11: Additional Instructions**

Organics Subcategory

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



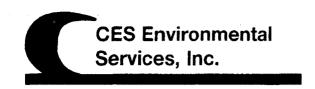
# PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	\$45.00/drum Trans \$70.00 plus FSC
2.	Contamination Limits (maximum limit before surcharges apply):
	NA NA
3.	NA NA
4.	Special Testing Requirements:
	NA % oil, % solids, flosh; test water for pH, phench, tac, metals
5.	Treatment and Handling Protocol:
	Recover Oil, water to waste water
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory C



## PROCESS FACILITY INFORMATION (CES USE ONLY!!)

/.	<u>lests for Product Recovered/Recycled (if applicable):</u>
	Standard
8.	Management for Product Recovered/Recycled (if applicable);
8.	Management for Product Recovered/Recycled (if applicable): Standard
8.	
8.	
8.	
8.	



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

To: Gary Brauckman

Date: 09/03/08

Cc: Matt Bowman, Gary Peterson, Prabhaker,

Matt Moser, Joe Camp

From: Miles Root

Lab Memo: 08-155

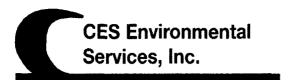
Subject: Dresser Roots Evaluations 0908-02 thru 06

Four solvent samples and one oily water sample from Dresser Roots have been evaluated for determination of waste classification. These samples are evaluations 0908-02 thru 0908-06.

The solvent samples all have small aqueous layers from which the pH measurements were taken. The oily water can be taken as a recyclable as the chlor-d-tect is low. All of the results from the analytical testing are summarized in the table below.

	Dre	esser Roots Eval	uation Samples	Summary	
	Tech-U-Solve	Crystal Clean	Oily Water	Unknown DM #17	Unknown DM # 20
	0908-02	0908-03	0908-04	0908-05	0908-06
рН	3	5	5	4	4
Flash Point, deg F	135-139	>140		110-115	>140
Oil, vol%			1.2		
Chlor-d-tect, mg/L	300	2800	500	200	>4000
Treatability			Lots of Solids		
Phenols, ppm			0		
TOC, ppm			<300		

2990 Dressen Roots (Tamer Red)



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 9/16/2008

Dear Dan Estes

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2990

**Expiration Date** 9/16/2010

**Generator:** Dresser Roots (Tanner Road) **Address:** 11611 Tanner Road Bldg B

Houston, TX 77041

Waste Information

Name of Waste: RCRA drums and containers

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Empty product drums

Color: various

Odor: none

pH: na

**Physical State:** 

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level d

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

# **CES Environmental** Services, Inc.

DECEIVED 1 SEP 10 2008

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

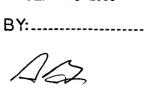
Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461

**ISWR No: 30900** 



SECTION 1: Genera					
Company:	Dresser Roots (Tanner F				
Address:	11611 Tanner Road Bld	g. B			
City, State, Zip:	Houston, TX 77041				
Contact:	Dan Estes	<del></del>	Title:	EH & S N	
Phone No:	713-896-4810		Fax No:	713-896-	4927
24/hr Phone:	CES-713-676-1460				
U.S. EPA I.D. No: State I.D.	<del>-</del>		SIC Code:		
State I.D.		<del></del>	SIC Code:		
SECTION 2: Billing Company: Address: City, State, Zip:	Information – 🛛 Same	as Above			
Contact:	<del></del>	Title:			
Phone No:	<del></del>	Fax No:			
SECTION 3: Genera	l Description of the Was	<u>ste</u>			
	RA Empty Drums and Cor of Process Generating W		<u>rums</u>		
Physical State:	☐ Liquid ☐	Sludge	Powder		
		Filter Cake	Combination	,	
		Ther care	Combination	•	
Color: Various	Odor:	none			
			ve		
Specific Gravity (wat	er=1); <u>1.3</u> VV	Density; 10 lbs/gal	VV		
Does this material co	ntain any total phenolic	compounds?   Yes	⊠ No		
		_		_	
Does this material co	ntain any para substitute	ed phenolic compounds	? ∐ Yes ⊠	No	
Layers:	⊠ Single-phase	☐ Multi-phase			
Container Type:	□ Drum     □	Tote	Truck		Other (explain)
Container Size:	15-55	300	11401		oner (explain)
Container Size.	10 00	<u>000</u>			
E	□ West-I	Monthly [7]	Onordeed	$\square$	Vacada
Frequency:	☐ Weekly ☐	Monthly	Quarterly	$\boxtimes$	Yearly
Number of Units (con	· ·	Other:			
Texas State Waste Co	ode No: NA-Rec	cyclable Material			
Proper U.S. DOT Shi	pping Name:	Non-RCRA; Non-DOT	Regulated Ma	terial	
Class: NA	UN/NA:	NA	PG: NA		RQ: NA

Flash Point	pН	Reactive Sulfides	Reactive Cya	inides Solids
<u>NA</u>	<u>NA</u>	<u>NA</u> mg/I	NAmg/l	<u>100</u> %
Oil&Grease	TOC	Zinc	Copper	Nickel
>1500mg/l	<1500mg/l	<u>0</u> mg/l	0mg/l	0mg/l

## **SECTION 4: Physical and Chemical Data**

COMPONENTS TABLE  The waste consists of the following materials	Concentration Ranges are acceptable	Units or %
Empty Metal Drums	33-100	%
Empty Poly Drums	33-100	%
Empty Totes	0-33	%

#### **SECTION 5: Safety Related Data**

If the handling of this waste requires the use of special protective equipment, please explain. Level  $\underline{D}$ 

### **SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. none

### **SECTION 7: Incompatibilities**

Please list all incompatibilities (if any): oxidizers

#### **SECTION 8: Generator's Knowledge Documentation**

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

### **SECTION 9: Generator's Certification**

The information contained herein is based on 🖾 generator knowledge and/or 🔲 analytical data. I hereby certify that the above and
attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful
omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials
tested are representative of all materials described by this document.
Authorized Signature: Date: 4-9-08
Printed Name/Title: Dan Estes - Materials Mugr.
CES USE ONLY (DO NOT WRITE IN THIS SPACE)
Compliance Officer: Jellerga
Date: 9-16-08 Approved Rejected
Approval Number: 2990

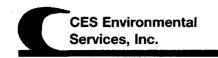
## SECTION 10: Waste Receipt Classification Under 40 CFR 437 Is this material a wastewater or wastewater sludge? \(\square\) YES ⊠ NO If 'Yes', complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. Metals Subcategory: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment Oils Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes Organics Subcategory: Subpart C Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations

Tank clean-out from organic, non-petroleum sources

(1)	If the v	vaste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		vaste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chrom Copper	um: 0.2 mg/L ium: 8.9 mg/L :: 4.9 mg/L :: 37.5 mg/L
(3)		vaste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

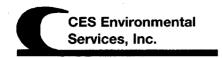
### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



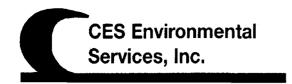
## PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	\$15.00 per drum; \$75.00 per tote Trans \$70.00/hour plus FSC
2.	Contamination Limits (maximum limit before surcharges apply):  NA
3.	Surcharge Pricing:
	NA
4.	Special Testing Requirements:
	NA
5.	Treatment and Handling Protocol:
	NA
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



# PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Product Recovered/Recycled (if applicable):
	NA
8.	Management for Product Recovered/Recycled (if applicable);
8.	Management for Product Recovered/Recycled (if applicable):  NA
8.	
8.	
8.	
8.	



# Waste Pre-Acceptance/Approval Letter

Date 9/17/2008

Dear Todd

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2991

**Expiration Date** 9/16/2010

Generator: Wal-mart Store #504 c/o Environmental Products & Services

**Address:** 6702 Seawall Blvd.

Galveston, TX 77551

**Waste Information** 

Name of Waste: Recylable Hydrocarbon and Water

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

hydrocarbon and water from oil changing areas in other various hydrocarbon containing

areas

Color: dark

Odor: hydrocarbon

**pH:** 4-10

**Physical State:** 

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



DB/MM

4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676 http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

Company: Wal-mart Stores c/o Environmental Products & Services  Address: 6702 Seawall Blvd (Other various locations)  City: Galveston
City: Galveston State: TX Zip: 77551  Contact: Todd Title: Phone Number: 315-480-4357 Fax Number: 518-465-5722  24/hr Phone Number: 315-480-4050  US EPA ID No: na SIC Code: na  SECTION 2: Billing Information
Contact: Todd
Phone Number: 315-480-4357 Fax Number: 518-465-5722  24/hr Phone Number: 315-480-4606  US EPA ID No: na  State ID No: na  SECTION 2: Billing Information
24/hr Phone Number: 315-480-4-000 State ID No: na SIC Code: na  SECTION 2: Billing Information - Same as Above Company: Environmental Products & Services Address: 40 Hamilton Ln. City: Phone Number: State: NY Zip: 12077 Contact: Title: Phone Number: Fax Number:  SECTION 3: General Description of the Waste  Name of Waste: Recyclable hydrocarbon and water Detailed Description of Process Generating Waste: hydrocarbon and water from oil changing areas in other various hydrocarbon containing areas  Physical State: Liquid Sludge Powder Solid Filter Cake Combination  Color: dark Odor: hydrocarbon  Density: 7.5-8.3   lbs/gal
US EPA ID No:  na  SECTION 2: Billing Information  SECTION 2: Billing Information  Environmental Products & Services  Address:  40 Hamilton Ln.  City:  Share to A Contact:  Phone Number:  SECTION 3: General Description of the Waste  Name of Waste:  Recyclable hydrocarbon and water  Detailed Description of Process Generating Waste:  areas in other various hydrocarbon containing areas  Physical State:  Liquid  Solid  Sludge  Filter Cake  Codor:  Address:  NY  Zip:  12077  Title:  Fax Number:  Fax Number:  Phydrocarbon and water from oil changing  areas in other various hydrocarbon containing areas  Physical State:  Color:  dark  Odor:  hydrocarbon  Density:  7.5-8.3  lbs/gal
SECTION 2: Billing Information - Same as Above  Company: Environmental Products & Services  Address: 40 Hamilton Ln.  City: Phone Contact: Title:  Phone Number: Fax Number:  SECTION 3: General Description of the Waste  Name of Waste: Recyclable hydrocarbon and water  Detailed Description of Process Generating Waste: hydrocarbon and water from oil changing areas in other various hydrocarbon containing areas  Physical State: Liquid Sludge Powder  Solid Solid Filter Cake Combination  Color: dark Odor: hydrocarbon  Specific Gravity (water=1): ~1 Density: 7.5-8.3 lbs/gai
SECTION 2: Billing Information - Same as Above  Company: Environmental Products & Services  Address: 40 Hamilton Ln.  City: Shamest Chemont State: NY Zip: 12077  Contact: Title:  Phone Number: Fax Number:  SECTION 3: General Description of the Waste  Name of Waste: Recyclable hydrocarbon and water  Detailed Description of Process Generating Waste: hydrocarbon and water from oil changing areas in other various hydrocarbon containing areas  Physical State: Liquid Sludge Powder  Solid Filter Cake Combination  Color: dark Odor: hydrocarbon  Specific Gravity (water=1): ~1 Density: 7.5-8.3   lbs/gal
Company: Environmental Products & Services  Address: 40 Hamilton Ln.  City: About General State: NY Zip: 12077  Contact: Title:  Phone Number: Fax Number:  SECTION 3: General Description of the Waste  Name of Waste: Recyclable hydrocarbon and water  Detailed Description of Process Generating Waste: hydrocarbon and water from oil changing areas in other various hydrocarbon containing areas  Physical State: Liquid Sludge Powder  Solid Filter Cake Combination  Color: dark Odor: hydrocarbon  Specific Gravity (water=1): ~1 Density: 7.5-8.3   lbs/gal
Company: Environmental Products & Services  Address: 40 Hamilton Ln.  City: About General State: NY Zip: 12077  Title: Phone Number: Fax Number:  SECTION 3: General Description of the Waste  Name of Waste: Recyclable hydrocarbon and water  Detailed Description of Process Generating Waste: hydrocarbon and water from oil changing areas in other various hydrocarbon containing areas  Physical State: Liquid Sludge Powder  Solid Filter Cake Combination  Color: dark Odor: hydrocarbon  Specific Gravity (water=1): ~1 Density: 7.5-8.3   lbs/gal
Address: 40 Hamilton Ln.  City: Bisewet Clawbort State: NY Zip: 12077  Contact: Title: Phone Number: Fax Number:  SECTION 3: General Description of the Waste  Name of Waste: Recyclable hydrocarbon and water  Detailed Description of Process Generating Waste: hydrocarbon and water from oil changing areas in other various hydrocarbon containing areas  Physical State: Liquid Sludge Powder Solid Filter Cake Combination  Color: dark Odor: hydrocarbon  Color: dark Odor: hydrocarbon  Density: 7.5-8.3 lbs/gal
City: Banks (Sument State: NY Zip: 12077  Contact: Title: Phone Number: Fax Number:  SECTION 3: General Description of the Waste  Name of Waste: Recyclable hydrocarbon and water  Detailed Description of Process Generating Waste: hydrocarbon and water from oil changing areas in other various hydrocarbon containing areas  Physical State: Liquid Sludge Powder Solid Filter Cake Combination  Color: dark Odor: hydrocarbon  Specific Gravity (water=1): ~1 Density: 7.5-8.3 lbs/gai
Contact:  Phone Number:  SECTION 3: General Description of the Waste  SECTION 3: General Description of the Waste  Name of Waste:  Recyclable hydrocarbon and water  Detailed Description of Process Generating Waste:
SECTION 3: General Description of the Waste  Name of Waste: Recyclable hydrocarbon and water  Detailed Description of Process Generating Waste: hydrocarbon and water from oil changing areas in other various hydrocarbon containing areas  Physical State: Liquid Sludge Powder Combination  Color: dark Odor: hydrocarbon  Specific Gravity (water=1): ~1 Density: 7.5-8.3   lbs/gal
Name of Waste: Recyclable hydrocarbon and water  Detailed Description of Process Generating Waste: hydrocarbon and water from oil changing areas in other various hydrocarbon containing areas  Physical State: Liquid Sludge Powder Combination  Color: dark Odor: hydrocarbon  Specific Gravity (water=1): ~1 Density: 7.5-8.3   lbs/gal
Name of Waste: Recyclable hydrocarbon and water  Detailed Description of Process Generating Waste: hydrocarbon and water from oil changing areas in other various hydrocarbon containing areas  Physical State: Liquid Sludge Powder Combination  Color: dark Odor: hydrocarbon  Specific Gravity (water=1): ~1 Density: 7.5-8.3   lbs/gal
Detailed Description of Process Generating Waste:  areas in other various hydrocarbon containing areas  Physical State:    Liquid
Detailed Description of Process Generating Waste: hydrocarbon and water from oil changing areas in other various hydrocarbon containing areas  Physical State: Liquid Sludge Powder Combination  Color: dark Odor: hydrocarbon  Specific Gravity (water=1): ~1 Density: 7.5-8.3   bs/gal
Physical State: Liquid Sludge Powder Combination  Color: dark Odor: hydrocarbon  Specific Gravity (water=1): ~1 Density: 7.5-8.3   lbs/gal
Physical State:
Solid
Solid
Color: dark Odor: hydrocarbon  Specific Gravity (water=1): ~1 Density: 7.5-8.3 lbs/gal
Specific Gravity (water=1): ~1 Density: 7.5-8.3 lbs/gal
Specific Gravity (water=1): ~1 Density: 7.5-8.3 lbs/gal
Does this material contain any total phenolic compounds?
Does this material contain any para substituted phenolic compounds?
Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF)
Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF)  — Yes  — No Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:
2812 2813 2816 2819 2821 2822 2823 2824 2833 2834
2815 2816 2817 2621 2622 2623 2624 2635 2835 2835 2835 2836 2841 2842 2843 2844 2851 2861 2865 2865
2873 2874 2876 2879 2891 2892 2893 2896 2899 2911
3312 4953 4959 9511
1000 -1205 3014
Layers:  Single-phase  Multi-phase
Container Type:   Drum  Tote  Truck  Other (explain)
many company comp
Frequency: Weekly Monthly Yearly One-Time  Quantity: 5-10 welco

If "Yes If "Yes' Characte	USEPA "Hazard ", then please f ", is it: [ eristic for Toxic	ill out the UHC  D001 (Ignitab  Metals:	Form le)   D004	D002 (Con 4 □ D002 0 □ D01:	5 🔲	D006	☑ ] D003 (Rea ; ☐ D007		; □ D009	) -
Is this an "F" or "K" Listed waste or mixed with one?							-			
Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under  40 CFR 261.33(e) or (f)?										
Class:	na	UN/NA:	na	PG:	na na		RQ:	na		•
ı Fla	ısh Point	Ha		Reacti	ve Sulfides	5	Reactive	Cvanides	Sol	ids
Fla	sh Point >120	pH 4-1		Reacti 0	ve Sulfides mg/l		Reactive 0	Cyanides mg/l	9-4	ids %
		<del> </del>	0	0			0			%
	>120	4-1	0	0	<u>mg/l</u>		0	mg/i	0-4	%
OII >150	>120 & Grease     mg/l  1: Physical and	4-1 TO <5000 base  Chemical Data	O mg/l	O CES test	mg/l Zinc		O Cop	mg/I per mg/I	0-4 Nic	% kel mg/i
OII >150	>120 & Grease mg/l  1: Physical and CON The waste cons	4-1 TO <5000 base  Chemical Data RPONENTS TAB ists of the follow	O C <u>mg/l</u> LE ving materia	O CES test	mg/l Zinc		O Cop CES test  CONCENT	mg/i per mg/I RATOIN	0-4 Nic	% kel mg/i  UNITS or%
OII >150	>120 & Grease mg/l  1: Physical and CON The waste cons	4-1 TO <5000 base  Chemical Data	O C <u>mg/l</u> LE ving materia	O CES test	mg/l Zinc		O Cop CES test CONCENT	mg/i per mg/I RATOIN cceptable	0-4 Nic	% kel mg/i
OII >150 SECTION 4	>120 & Grease     mg/l  1: Physical and     CON The waste considerable	4-1 TO <5000 base Chemical Data MPONENTS TAB ists of the followors (oil, diesel,	O  mg/l  LE  ving materia gasoline)	O CES test	mg/l Zinc		CONCENT CONCENT Canges are a 3-1	mg/i per mg/I RATOIN acceptable 0	0-4 Nic	% kel mg/i  UNITS or % %
OII >150 SECTION 4	>120 & Grease     mg/l  1: Physical and     CON The waste considerable	4-1 TO TO <5000 base Chemical Data IPONENTS TAB lists of the followons (oil, diesel, water	O  mg/l  LE  ving materia gasoline)	O CES test	mg/l Zinc		O Cop CES test  CONCENTI Ranges are a 3-1 85-9	mg/i per mg/I RATOIN acceptable 0	0-4 Nic	% kel mg/i  UNITS or % % %
OII >150 SECTION 4	>120 & Grease     mg/l  1: Physical and     CON The waste considerable	4-1 TO TO <5000 base Chemical Data IPONENTS TAB lists of the followons (oil, diesel, water	O  mg/l  LE  ving materia gasoline)	O CES test	mg/l Zinc		O Cop CES test  CONCENTI Ranges are a 3-1 85-9	mg/i per mg/I RATOIN acceptable 0	0-4 Nic	% kel mg/i  UNITS or % % %
OII >150 SECTION 4	>120 & Grease     mg/l  1: Physical and     CON The waste considerable	4-1 TO TO <5000 base Chemical Data IPONENTS TAB lists of the followons (oil, diesel, water	O  mg/l  LE  ving materia gasoline)	O CES test	mg/l Zinc		O Cop CES test  CONCENTI Ranges are a 3-1 85-9	mg/i per mg/I RATOIN acceptable 0	0-4 Nic	% kel mg/i  UNITS or % % %
OII >150 SECTION 4	>120 & Grease     mg/l  1: Physical and     CON The waste considerable	4-1 TO TO <5000 base Chemical Data IPONENTS TAB lists of the followons (oil, diesel, water	O  mg/l  LE  ving materia gasoline)	O CES test	mg/l Zinc		O Cop CES test  CONCENTI Ranges are a 3-1 85-9	mg/i per mg/I RATOIN acceptable 0	0-4 Nic	% kel mg/i  UNITS or % % %
OII >150 SECTION 4	>120 & Grease     mg/l  1: Physical and     CON The waste considerable	4-1 TO TO <5000 base Chemical Data IPONENTS TAB lists of the followons (oil, diesel, water	O  mg/l  LE  ving materia gasoline)	O CES test	mg/l Zinc		O Cop CES test  CONCENTI Ranges are a 3-1 85-9	mg/i per mg/I RATOIN acceptable 0	0-4 Nic	% kel mg/i  UNITS or % % %
OII >150 SECTION 4	>120 & Grease     mg/l  1: Physical and     CON The waste considerable	4-1 TO TO <5000 base Chemical Data IPONENTS TAB lists of the followons (oil, diesel, water	O  mg/l  LE  ving materia gasoline)	O CES test	mg/l Zinc		O Cop CES test  CONCENTI Ranges are a 3-1 85-9	mg/i per mg/I RATOIN acceptable 0	0-4 Nic	% kel mg/i  UNITS or % % %
OII >150 SECTION 4	>120 & Grease     mg/l  1: Physical and     CON The waste considerable	4-1 TO TO <5000 base Chemical Data IPONENTS TAB lists of the followons (oil, diesel, water	O  mg/l  LE  ving materia gasoline)	O CES test	mg/l Zinc		O Cop CES test  CONCENTI Ranges are a 3-1 85-9	mg/i per mg/I RATOIN acceptable 0	0-4 Nic	% kel mg/i  UNITS or % % %

If the handling of this	waste requires the use of special protective equipment, please explain.
	Supporting Documents  es, data and/or analysis attached to this form as part of the waste  generator knowledge
SECTION 7: Incompati Please list ALL incompa oxidizers	
Laboratory analysis of t	's Knowledge Documentation the hazardous waste characteristics, listed below, WAS NOT PERFORMED ng generator knowledge:
TCLP Metals:	x
TCLP Volatiles:	<u>^</u>
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	X
Ignitability:	X
my knowledge and abili properties exist and tha	
CES USE ONLY (DO NOT Compliance Officer: Date: 9/16/07	

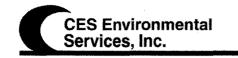
7137488664 P.005/006

SECTION 10: Waste Receipt Classification Under 40 CFR 437		
is this material a wastewater or wastewater sludge?	YES	NO NO
If 'Yes', complete this section.		
PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGOR	Y, GO TO THE NEXT I	PAGE.
Metals Subcategory: Subpart A		
☐ Spent electroplating baths and/or sludges		
Metal finishing rinse water and sludges		
Chromate wastes		
Air politution control blow down water and studges		
Spent anodizing solutions		
☐ Incineration wastewaters		
Waste liquid mercury		
Cyanide-containing wastes greater than 136 mg/l		
Waste acids and bases with or without metals		
Cleaning, rinsing, and surface preparation solutions from electroplating of the control of th	or phosphating opera-	tions
☐ Vibratory deburring wastewater		
Alkailne and acid solutions used to clean metal parts or equipment		
<u>Oils Subcategory</u> : Subpart B		
Used oils		
Oil-water emulsions or mixtures		
Lubricants		
☐ Coolants		
Contaminated groundwater clean-up from petroleum sources		
Used petroleum products		
Oil spill clean-up		
Bilge water		
Rinse/wash waters from petroleum sources		
Interceptor wastes		
Off-specification fuels		
Underground storage remediation waste		
Tank clean-out from petroleum or oily sources		
Wastewater from oil bearing paint washes		
Ti wastewater from on pearing paint wasnes		
Organics Subcategory: Subpart C		
Landfill leachate		
Contaminated groundwater clean-up from non-petroleum sources		
Solvent-bearing wastes		
Off-specification organic product		
Still bottoms		
Byproduct waste glycol		
Wastewater from paint washes		
Wastewater from adhesives and/or epoxies formulation		
Wastewater from organic chemical product operations		
Tank clean-out from organic, non-petroleum sources		

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
	Cadmium: 0.2 mg/L
	Chromium: 8.9 mg/L
	Copper: 4.9 mg/L
	Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	Metals Subcategory
	Olis Subcategory
	Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



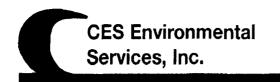
## PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
.11/gal < 5000 TOC, .15/gal up to 20,000 TOC, above 20,000 TOC Call Dan
2. Contamination Limit (maximum limit before surchages apply):
flash point <120, haz pH levels, metals > discharge limits, if oil fails Chlor-D-tect CALL Dan
3. Surcharge Pricing:
standard, Call Dan for approval
4. Special Testing Requirements:
flash, pH, TOC, metals, Chlor-D-tect on oil phase
5. Treatment and Handling Protocol:
send to hydrocarbon processing facility
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



## PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):	
na	
8. Management for Product Recovered/Recycled (if applicable)	
na	



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 9/17/2008

Dear Ben Smith

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2992

Expiration Date 9/17/2010

**Generator:** Foster Products Corp. **Address:** 6107 Industrial Way

Houston, TX 77011

Waste Information

Name of Waste: Wastewater sludge TCEQ Waste Code #: 00076092

**Container Type:** 

**Detailed Description of Process Generating Waste:** Fresh water used to rinse out latex based coatings tank

Color: white

Odor: none

**pH:** 6-10

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

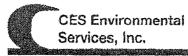
std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.





4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

OKedby Marlin	
Marlin	

SECTION 1: Gener	ator Informati	on				3492021441234555463								
Company:	Foster Prod	ucts Co	rp.											
Address:	6107 Indust	rial Way	6107	'Industr	ial Way	1				en Cartalan Colonya vaskuas ( 3 th S )	alang manusulat is the waven of	mountant of grounds		Anna Maria Col del I III Commonwelli del
City, State, Zip:	Houston TX	77011						A		**************************************	**************************************		- 44V	(g., e., e., e., e., e., e., e., e., e., e
Contact:	Ben Smith						······································	Title :	- 14 14 7 m r pm p		**************************************		.0140.4	THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER, NAMED IN COLUMN TWO IS NAMED IN COLUMN TWI
Phone No:	(713) 369-10	030				26 a 16 a 16 a 27 a 27 a 27 a 26 a 26 a 26 a 26 a 2	A1P*,+,4**	Fax:	(	(713) 926	-8908			
24 / HR Phone:	The second secon		*****	-		W.C		First with an own was a seek a hell by A. C.	reconstruction and a construction of the description of the construction of the constr					
U.S EPA I.D No :	N/A													
State I.D:	31677						SIC Co	de <u>r</u>	าฮ	y	at his time by a state or equal sall files	18 \$770 \$750 \$100 \$100 \$100 \$100 \$100 \$100 \$100 \$1	in erangka galitik dalik e dalah salayangan ngabada 97 (1881)	
SECTION 2: Billing	Information													
Company:	Foster Produ	ucts Co	D.											
Address :	6107 Industr	/	<del></del>	Industri	ial Way								an rasas ma <sub>n may</sub> a <sub>p</sub> oper on an el	
	Houston TX				·····					A	<b>~</b>			gy generalista en en en ege turk i 1900 e
Contact :	Ben Smith	6-57 * ( 46-7	and Market and paging open th	a afri //1.,	onglasti Gaargeroom Pa'tt at	Tagan sam akad big agin syngomerid		Title :		ang anaka tarihi ya arab. Padrazzold di d	n ena venez e poño di tradici a capacam	,_, <u> </u>		
Phone No:	(713) 369-10	030	35000.00 <b>7-3</b> 07-0-2-7-4	THE PARTY OF PERSONS ASSESSED.		.,,		Fax:	(	713) 926	-8908	··· gas a direct constituent and a first constituent a		manager personal and regular production to the
SECTION 3: General Name of Waste: Detailed Descript	Wastewater	sludge	Gener	ating W	astę:	na cafanas (1 <sup>500</sup> are can na ab <sup>a</sup> 1874	<i>(</i>	<b>1900</b> - 1900 -			al Tolor des seus envirage (The			ur Magarlan ettikk Magareta
Fresh water	rustel t	es ri	15e	int 1	(ata)	1-bes	ea	coatin	うり	tan)	<b>C</b>			
Physical State:	∠ Liquid						∏ Ро	Powder						
	☐ Solid			[] Filt	ter Cake		∏ Co	ombination						
Color:			····-	white		Od	or:				egypmathdemonyresidel	none		- 80, 1400 - 1000 - 1000
Specific Gravity (	Water≈1):			1-1.3		De	nsity :	8.34-9				bs / gal		
Does this material c	ontain any to	tal phen	olic co	троипа	s?	Ye	s	✓ No			*			
Does this material o						unds?	{	Yes		V No				
is the Waste subjec	t to the benze	ne wast	e opera	ation NE	SHAP?	(40 CFR	art 61,	Subpart F	F)		Yes	40	No	
2812 2813 2	816 2819	2821	2622	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861 2865 2	869 2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511
Layers:	[] Sing	le-Phas	i	<b>⊘</b> Mu	ilti-Pha	se								
Container Type :	✓ Drum	1 [	) 1	l'ote	V	Truck		Other (e	xpla	ain)				e martini e e forma e della esta prima di dia
Container Size :	500	20												
Number Of Units:	: 1													
Is this a USEPA "H If "Yes", then ple		_				ardous C		<b>☑</b> No nts Form a	ttach	ed hereto				
If "Yes", is it:	D001	D002		D003										

Characteristic for Toxic	Metals:	D004			D006	,	D007			
		D008	D0		D010		D011			···
Characteristics for Toxi	c Organic	s: D012 thru	D043 (p	lease list a	ll that a	(viqqe	week house of the Hotelston of the State of			
Is this an "F" or "K" List	ted waste	or mixed wi	ith one?	Yes	6	✓ No				
If "Yes", then please	e list ALL a	pplicable co	odes:	ويو و دور الله الدين ا			The first of the property of the second of t	iladi . Ara maan taan	**************************************	·····
Is this a commercial pro 261.33(e) or (f)?	oduct or s	pill cleanup	that wou	ld carry a '	U" or "i	P" was	ite code under 40	CFR	Yes 🗸	No
If "Yes", then please	e list ALL a	applicable co	odes:	della televisia de la companya de l	iş rin adınınının rin dirin.					and the second s
Texas State Waste Cod	le No :	00	076092							
Proper U.S. State Waste	e Code N	o:		N	ion-RCI	RA/No	n-DOT Regulated	l Mastre	weder	
Class: na		UN/NA:	na			PG:	па		RQ:	na
Flash Point		рН		Reactive		. 1	Reactive Cya	nides	Solid	
>200		6-10		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0	mg/i	0	mg/l	50-80	) %
Oil and Grease		TOC			nc	WINNERSON	Copper		Nicke	:I
0 mg/	/	>1000	mg/l		0	mg/l	0	mg/l	0	mg/
SECTION 4: Physical and (	Chemical (	Tata								
		PONENTS	TARIF		<del>Terrental de la cons</del>	i chesanna		ncentration	<u> </u>	Units
The material				owing mat	erials		8	s are accep	ž.	or%
Antonio La contra contra de la c	**************************************	water			TANGETT CONTRACTOR OF SERVICE			65-95		%
		solids/sludg	je					0-24		%
	1000	32-19	ð"					3-10	90	ni n
/	がいろんへ	2017						370		***************************************
CECTION Ex Cafata Dalatad	L Duke		Marie Construction of the Longitude of t		A THE ROOM OF THE PARTY.	***************************************		and the second s	Mark Lancon Color Promision (Artificio per Pala 1988)	One of the second
SECTION 5: Safety Related If the handling of this w	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ires the use	e of spec	ial protec	tive ear	emaiu	nt. please expla	n.		
std	4010 (444		,							
SECTION 6: Attached Supp	orting Do	cuments	nu II-II							
List all documents, note	es, data, a	ind/or analy	sis attac	hed to thi	s form	as pai	rt of the waste a	pproval pac	:kage.	
nsds										
TOTION TO I well like										
SECTION 7: Incompatibiliti Please list all incompati		anv).								
none known	Dinibes (n	unyj.								
SECTION 8: Generator's Kr			area of							
aboratory analysis of the following generators kn		lous waste	characte	ristics, lis	ted bel	low, W	AS NOT PERFO	RMED base	ed upon the	
TCLP Metals :	x									
TCLP Volatilies:	x									
CLP Semi-Volatiles :	X									
Reactivity:	×			2						
				4						

	•				
Cor	rosivity:	X			
lgn	itability :	×			
		-			
SEC	TION 9: Waste Recei	pt Classification Under 40 CFR 43	7		
	The state of the s	vater or wastewater sludge?	<b></b> ✓ YES	NO	
		_	N.2 1.53	140	
	ES', complete this s				
PLE	EASE CHECK THE A	APPROPRIATE BOX: IF NO AP	PROPRIATE	CATEGORY, GO 1	O THE NEXT PAGE
Mat	als Subcategory:	Subpart A			
	Spent electroplat	ing baths and/or sludges			
	Metal finishing rir	ise water and sludges			
	Chromate wastes	•			
	Air pollution contr	ol blow down water and sludges	<b>;</b>		
	Spent anodizing s	solutions			
Engraph.	Incineration wast	ewalers			
	Waste liquid mere	cury			
		ng wastes greater than 136 mg/l			
		bases with or without metals			
		and surface preparation solutio	ns from electro	oplating or phospha	3
	Vibratory deburrir	g wastewater			
	Alkaline and acid	solutions used to clean metal pa	arts or equipme	ent	
	Subcategory: S	Subpart B			
	Used oils				
	Oil-water emulsion	ns or mixtures			
	Lubricants				
EJ	Coolants	dididididididi			
	-	undwater clean-up from petrolei	um sources		
	Used petroleum p	TOURCES			
	Oil spill clean-up Bilge water				
X	•	s from petroleum sources			
	Interceptor wastes				
	Off-specification for				
		age remediation wastes			
		m petroleum or oily sources			
	Non-contact used				
$\Box$		nixtures from parts cleaning oper	rations		
	Wastewater from	oil bearing paint washes		•	
Orga	inics Subcategory	Subpart C			
	Landfill leachate				
	Contaminated gro	undwater clean-up from non-pet	roleum source	s	
	Solvent-bering wa	stes			
CI	Off-specification o	rganic product			
	Still bottoms				
	Byproduct waste g				
	Wastewater from p		at		
		adhesive and/or epoxies formula			
[]	vvastewater from (	organic chemical product operat	10(15		

Tank clean-out from organic, non-petroleum sources	
(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory	
(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory	
Cadmium: 0,2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L	
(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.	
☐ Metals Subcatego	
☐ Oils Subcatego	
Organics Subcategory	
SECTION 10: Additional Instruction	
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.	
SECTION 11: Generator's Certification	
The information contained herein is based on 🗹 generator knowledge and/or 🗍 analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.	е
Authorized Signature: Sen Sull Date: 9-17-08	
Printed Name / Title: Ben Smith /	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Compliance Officer: Prabhaka Thanguda	7, 24° maran managa
Date: 9-17-08 Status: (pproved) Rejected	
Approval Number: 2992	A statement of the statement of



# PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):	
.09/gal trans, .20/gal material	
2. Contamination Limit (maximum limit before surchages apply):	
ask Marlin	
<u></u>	
3. Surcharge Pricing:	
4. Special Testing Requirements:	
<u> </u>	
5. Treatment and Handling Protocol:	
	4
6. Treated Wastewater Discharge Subcategory:	
☐ Subcategory A	



# PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):	
8. Management for Product Recovered/Recycled (if applicable)	
	•

# Profile # 0606081002BH

NES TX/NID NONHAZARDOUS SOLID WASTE DISPOSAL APPLICATION 1. GENERATOR CERTIFICATION I hereby certify that I am the legal generator of the waste described below. The waste description on the form and all attachments are, to the best of my knowledge and ability, representative, complete, and accurate. This waste is not a regulated hazardous waste by USEPA, State of Origin, or State of Disposal, nor does it contain PCB's regulated by TSCA (Re., 40 CPR 761) or any local authority. GENERATOR'S SIGNATURE/GENERATOR'S AUTHORIZED SIGNATORY: Signature: Anger/ FOSTET ProducTS Printed/Typed Name, Title, Employer: 2. GENERATOR INFORMATION a. Generator's Name: Foster Products Corp d. Billing Name: CES Environmental Services Inc b. Generator's Address: 6107 Industrial Way e. Billing Address: 4904 Gridge Road City: Houston Telephone: (713) City: Houston t. Contact Person: State: IX Zip: 370 it Zip: 00007-7021 State: TX 825-1329 Juanita Thomas g. Telephone: Fax: (713) 876-1678 713-676-1460 Pax: (713 C. Generator Representative: Dana Carter Title: Agent for Generator Telephone: (713) 748-9004 Fax: (713) 678-1676 Email: Ithomas@cesenvironemental.com 748-9804 676-1676 3. WASTE DESCRIPTION Waste Name/Waste Description: Non RCRA Wastewater b. Process of Waste Generation: Rinsing of pots and vessals used in manufacturing Foster 32-19 c. TCEQ Waste Code # (If Applicable): 000 76092 d. Origin of Waste: Oll and Gas Facility (X) Industrial Facility Field Name/#: Facility Name: Foster Products Corp Lease Name/# Address: B107 Industrial Way Well Name/#: City: Houston Rig Name/#: Parish/County Harris State: TX
Facility State Id 31677 Parish/County: State: e. Physical State: ) Semi-Salid ( ) Combination ) Solid (X) Liquid ( ) Pawder ' PPE Level (A-K,X) D f. Color Milky to yellow to pale blue Odor mild/sweet odor ) Tons g. Anticipated Waste Volume: ) CuYda ( X ) Gais ) CuMtrs ) Year ) Month ) Week ( ) Day ) One Time ( ) Other h. Specify Method of Shipment: Bulk Tank Trailer 4. WASTE COMPOSITION & CONSTITUENTS Physical Components Concentration Range Amendments (Newpark Only) Units Oil and Grease: Water: Solids: Foreign Debris: Other (List Below): 3-10 Foster 32-19 Specific Gravity: NORM-Ra 226: pCVgm

**pCi/gm** 

Replaces Profile 771 BH MSDS for Foster 32-19 Attached

<15Q

Total Activity:

19Vised 4/21/08

F.03/12

(A) TCLP(mg/I	}	(B) TOT	AL(mg/l)	(C) GENER	RATOR KNOWLEDGE			02B	
موراجه ريساه بالمورد	Adg. Lank	Belian	Atom	Method	Manik	Rep. LIM	94km	<u> Aberra</u>	HeDrod
AUS BLOOM	on water	×		ic .	After E	g uddyr	x		1
arbne Tepumberide	0.5 mg/L	×		4	Ranker	ध्या नाहा.	×		•
Karoterwaa	LOO arg/L	×	.,,,,,	E	Catavan	1 mg/L	Χ		
anolum	6 mg/L	×		e	Creamouse	š myl.	*		
des.	200 mg/s.	X		G	last	5 mp/L	X		5
oresol .	300 mg/L	*		<b>©</b>	Менфину	9.2 mg/L	× .		E
<b>96901</b>	206 rag/L	×		E	SAMOTUR	i ng/L	X		•
- Oktionobavasie	7.5 mg/t.	1		ic .	2	3 PAZAL	к		
-Distance years	4.7 mg/L	*		4				,	
-Children State	O.S mg/L	×		£	Herts/Posts	Seg_Limit	) pio-	(Apple)	HUME
-Cintrockists	0.13 mg/L	×		<b>c</b>	Character	0.03 mg/L	K		Č
AND DESCRIPTION OF THE PERSON	4.12 mg/L	×		E .	Errichte.	4.07 eng/L	X		¢ .
POST NA COL LOCALIS	Ağın Tiğ	¥	***************************************	ė –	STATUTE OF THE PARTY COLUMN	0,000 mg/1,	×		ć
NACIFOTORI MAN	3 mor	×		<u>¢</u>	Lindane	DA rogi.	X		G
sky Coly Kelone	200 mg/L	*		2	Nevany Cha	10 mg/s.	×	1 1	<u> </u>
Opelanné	2 449rL	×		¢	SENSK (2,4,5-1P)	ட்ற எழுத்	2		c
ofer: Navogénnal	100 mg/L	¥		G	Resultingva	as mor	x		<u> </u>
rdine	5 ang/L	¥	<del></del>	le .	2+0	10.0 mg/L	×		¢
A COLUMN TO SERVICE SE	0.7 mg/C	Х		G	<b>PASSANTY</b>	Rág, Limit	- Gerbaur	Abryyu	Mated
diaretries	0.5 mg/L	¥	<u></u>	G.	DATE:	EDD mag/kg	×		¢
,S Tachiumphenel	400 mg/L	×		6	Core reste	250 mg/kg	×		E
LA Tresidorophrenol	S mys.	×		ic.	CONTRACTOR .	1			
ryl Chloride	0.2 mg/L	×	<del></del>	F .	Resimpora (org., F)	1 ) 5140	(X )   P(4)	( ) N/A	C
	1.				gin (Stol. Umil)	( ) \$270	(E ) 2.1-13.4	( ) 5124	\$ · \$ N/A
					EMENTAL INFORMAT				
X ) MSD S	nesis	( )	Chain of C	bstody	( ) Analytical Data	( X	) Other	Process	Knowledge
			F	OR NE	WPARK USE C	NLY			
vaste Classific ) NIW tandard Condi pecial handlin	tions: <u>eve pr</u>	( ) otection.	NOGW aloves an	d solash su	( ) Exempt OGW it required to handle wa	(	) Disapprove	ed	•
	ر ندیس	nes ll	C Big Hi	Indust	na/Profile Approval Date Profile Recentification	n Date: OG	06-07 -06-08	7	
pproval Signal	ture:	me,	Jona	7	Profile Expiration Da		-06-0	7	
ubmit comple	ted form and	ali suppi	emental in	formation t	o:				

**2**005/00

MAY-22-2007 09:24

CES Environmental Svcs.

7137488664 P.04/12

# **GENERATOR KNOWLEDGE DOCUMENTATION**

GENERATOR:	Foster Products Corp
Facility I.D. #:	3167
Waste Name:	Non RCRA Wasternater
State Waste Code #.	00076092
Detailed Description of Waste G	eneration Process: Fresh water used to rinse at
Laboratory analysis of the hazar following generator knowledge:	dous waste characteristics, listed below, was not performed based upon the
TOXICITY	
TCLP/Total Metals	Metalo are below regulating limits
TCLP/Total Volatile Organics	Thore are no volatile cranic, materials
Present in the p	
TCLP/Total Semivolatile Organi MOLCVIOUS Prese	ics There are no semivolatile manic
TCLP/Total Herbicides and Fea	ticides NO NEXOICIORS ON OF PESTICIOES COME.
REACTIVITY In the process	No veactive materials are introduced
corrosivity  PH IS Neutral	Chicled before shopping
IGNITABILITY NO TON HOLDE, W	WHICH are Dresent with more process
	some with the property of the second
ি ক্রিক্টার্কিন্ত বিশ্বস্থিত বিশ্বস্থা বিশ্বস্থিত বিশ্বস্থা বিশ্	HV4E MONOOE L  TON PULLE TO LOOP L  TON POLICE TO THE PROPERTY OF THE PROPERTY
Date:	5-24-07
Employer:	Foster Products

Date Printed: 05 October 1999

Page 1 of 8

#### MATERIAL SAFETY DATA SHEET

### SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY INFORMATION

MSDS INFORMATION

Foster Products Corporation Preparation Date: 18 July 1999
H.B. Fuller Company Subsidiary Supersedes: 04 March 1999

2900 Granada Lane

Oakdale, MN 55128 Phone: 651-236-3785 Fax: 651-236-3781

Prepared By: Industrial Hygiene

Phone Number: 651-236-5842

Medical Emergency Phone Number: 1-888-853-1758 Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

#### PRODUCT INFORMATION

Product Name/Number: FOSTER 32-19

Product Description (product use): SEALANT

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Mater:als Information System (WHMIS). Unlisted ingredients are not 'hazardous' per the OSHA standard and/or are not found on the WHMIS ingredient disclosure list.

Chemical/CAS Number

Percent OSHA PEL ACGIH TLV

See Section 16 for additional information.

### SECTION 3: HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

Possible cancer hazard. Contains a material which may cause cancer.

#### POTENTIAL HEALTH EFFECTS

Eyes: Eye contact with liquid product may cause irritation.

Skin: Prolonged or Repeated contact with liquid product may cause

irritation.

Inhalation: Inhalation is not an anticipated route of exposure.

Ingestion: Not an anticipated route of exposure. Harmful if swallowed.

Chronic: When the product is in its final form and is abraded or disturbed, dusting may occur and crystalline silica may be released into the air. Long-term overexposure to crystalline silica may cause permanent lung damage and reduced pulmonary function.

No anticipated chronic effects.

REGULATED CARCINOGEN STATUS: Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH or OSHA listed carcinogens.

Crystalline solica is listed as a potential carcinogen by NTP and IARC.
Vinyl acetate is listed as a potential carcinogen by IARC.

Existing Health Conditions Affected by Exposure: No known effects on other illnesses.

### SECTION 4: FIRST AID MEASURES

- If in eye: Flush immediately with water for 15 minutes. Consult a physician if irritation persists.
- If on skin: Wash affected area with soap and water. Launder contaminated clothing before reuse.
- If vapors inhaled: Remove subject to fresh air.
- If ingested: If person can swallow, give one glass of water or milk.

  Do not induce vomiting. Get immediate medical attention.

  Never give anything by mouth to an unconscious person.

#### SECTION 5: FIRE FIGHTING MEASURES

Flash Point/Method: > 200 degrees F SETA

Upper Explosive Limit/Lower Explosive Limit: Not applicable

Autoignition Temperature: Not applicable

- Appropriate Extinguishers: Non-flammable in liquid state; use water spray, foam, dry chemical or carbon dioxide on dried product.
- Special Fire Fighting Procedures: Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.
- Unusual Fire and Explosion Hazards: There is the possibility of pressure ouildup in closed containers when heated. Water spray may be used to cool the containers.

Date Printed: 05 October 1999 Page 3 of 8

Hazardous Combustion Product: Incomplete combustion can yield low molecular weight hydrocarbons, carbon monoxide

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

Spill or Leak Procedures: Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds or water systems.

#### SECTION 7: HANDLING AND STORAGE

#### HANDLING INFORMATION

Wear appropriate protective equipment when working with this product.

#### STORAGE INFORMATION

Avoid temperature extremes in storage.

Consult the Technical Data Sheet for specific storage instructions.

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Wear safety glasses to reduce the potential for eye contact; chemical safety goggles are appropriate if splashing or dusting is likely. Have eye washes available where eye contact can occur.

Skin Protection Prevent prolonged or repeated contact by using rubber gloves and appropriate protective clothing. Launder contaminated clothing before reuse.

Respiratory Protection: Not normally required. Use NIOSH/MSHA approved respirator if conditions warrant.

Ventilation: General dilution ventilation.

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

LIQUID Physical State: GRAY Color:

MILD SWEET Odor: Not established Odor Threshold:

11.7 lbs. Weight per Gallon:

Specific Gravity: 1.4 % Solids by Weight: 69

Not established : Hq

PH: Not established Boiling Range: Greater than 200 F (93 C)

Freezing/Melting Point: Not established Vapor Pressure: Not established Vapor Density: Not established Evaporation Rate: Not established

Water/Oil Partition Coefficient: Not established

Date Printed: 05 October 1999 Page 4 of 8

VOC:

Not established

VOC, less water

19 g VOC/liter of material, less water and

exempt solvents

(VOC theoretically determined using EPA

Publication 450/3-84-019.)

#### SECTION 10: STABILITY AND REACTIVITY DATA

Stability: Stable

Incompatibility: Not established

Hazardous Decomposition: Not established

Hazardous Polymerization: Will not occur

#### SECTION 11: TOXIC()LOGICAL INFORMATION

No data available

#### SECTION 12: ECOLOGICAL INFORMATION

No data available

#### SECTION 13: DISPOSAL CONSIDERATIONS

To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Solidify and dispose of in an approved landfill. Consult state, local or provincial authorities for more restrictive requirements.

### SECTION 14: TRANSPORTATION INFORMATION

#### UNITED STATES DEPARTMENT OF TRANSPORTATION (DOT)

DOT Proper Shipping Name: NOT REGULATED

It is our opinion that the information provided here may be used to transport this product in compliance with Canadian Transportation of Dangerous Goods

#### INTERNATIONAL TRANSPORMATION

IATA Proper Shipping Name: NOT REGULATED

IATA Label:

pate Printed: 05 Cctober 1999 Page 5 of 8

#### SECTION 15: REGULATORY INFORMATION

FEDERAL

Toxic Substances Control Act (TSCA)

Section 4 - Test Rule

This product contains a chemical substance that is subject to a Section 4 Test Rule.

Contact the company TSCA Compliance Manager at 651/236-5858 for the identity of the Section 4 chemical(s).

Section 8(b) - Inventory Status

This product is in compliance with the Toxic Substances Control Act's Inventory requirements.

Section 12(t) - Export Notice Requirements

This product contains a chemical substance that is currently on the EFA's Section 12(b) Export List. Within seven days of entering into a contract to export and certainly no later than the day of export, the agent of export must notify the EPA of their intent.

Contact the company TSCA Compliance Manager at 651/236-5858 for the identity of the Section 12(b) chemical(s).

#### SARA TITLE III

Section 313: This product does not contain regulated levels of any toxic chemical subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372.

Chemical Name

CAS Number

Percent

Page 6 of 8

Date Printed: 05 October 1999

#### STATE REGULATIONS

California Proposition 65: This product contains chemical(s) known to the state of California to cause cancer (c) or reproductive (r) damage. <0.0057% Acetaldehyde (c) 75-07-0 listed April 1, 1988 <0.0001% Benzene (c) 71-43-2 listed February 27, 1987 <0.0028% Formaldehyde (c) 50-00-0 listed January 1, 1988 0.1-1.0% Crystalline silica (c) 14808-60-7 listed October 1, 1988 <0.0003% 1,4-Dioxane (c) 123-91-1 listed July 1, 1988 <0.0025% Ethyl acrylate (c) 140-88-5 listed July 1, 1989 <0.0007% Lead (c)(r) 7439-92-1 listed February 27, 1987 <0.0014% Toluene (r) 108-88-3 listed January 1, 1991

WHMIS IDENTIFICATION/OTHER INTERNATIONAL REGULATIONS

D2B

Ì

Date Printed: 05 October 1999 Page 7 of 8

#### SECTION 16: ADDITIONAL INFORMATION

In storage, monomer vapors will migrate from the emulsion and establish an equilibrium between the headspace in the storage container and the liquid emulsion. Levels in excess of acceptable exposures can accumulate in non-vented headspaces above the emulsion. All procedures appropriate for a confined space entry should be completed prior to performing any work in a bulk storage tank.

This product contains the following substance(s) identified by OSHA, WHMIS, or the ACGIH as hazardous. During normal use, the material will not present an exposure risk. Once the product has reached its final state and is abraded or disturbed, dusting and exposure may occur.

- 10-30% Calcium carbonate (1317-65-3)
  Exposure limit total dust 15 mg/M3 (OSHA) 10 mg/M3 (ACGIH)
  Exposure limit respirable dust 5 mg/M3 (OSHA)
  LD50: No data found LC50: No data found
- 10-30% Kaolin (1332-58-7)
  Exposure limit total dust 10 mg/M3 (OSHA) 10 mg/M3 (ACGIH)
  Exposure limit respirable dust 5 mg/M3 (OSHA) 2 mg/M3 (ACGIH)
  LD50: No data found LC50: No data found
- 0.1-1.0% Silica-crystalline (14808-60-7)
  Exposure limit respirable dust 0.1 mg/M3 (OSHA) 0.1 mg/M3 (ACGIH)
  LD50: No data found LC50: No data found
- 1-5% Titanium dioxide (13463-67-7)
  Exposure limit total dust 10 mg/M3 (OSHA) 10 mg/M3 (ACGIH)
  Exposure limit respirable dust 5 mg/M3 (OSHA)
  LD50: No data found LC50: No data found

#### HMIS RATING

Health-1 Flammability-0 Reactivity-0

See SECTION 8: EXPCSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

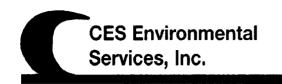
The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to Foster Products Corporation from its suppliers, and because Foster Products Corporation has no control over the conditions of handling and use, Foster Products Corporation makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and Foster Products Corporation assumes no responsibility for use or reliance thereon. It is the responsibility of the user of Foster Products Corporation products to comply with all applicable federal, state and local laws and regulations.

# **CES Environmental Services, Inc.**

4904 Griggs Rd. Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

# **Fax Transmittal**

Total	al Number of Pages (Including cover sheet)	:12
Date:	e: <u>35/24/07</u>	
To:	Marc Sonnier 335	7-989-2018
From	m: Dana Carter CES Environmental Services, Inc. Mobile Phone: (713) 748-9804	
Notes	es: Profile recent - # 06/100	160771BH
	for Forter Products	
		· .
	·	



# Waste Pre-Acceptance/Approval Letter

Date 9/18/2008

Dear Fred Leach

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2993

**Expiration Date** 9/18/2010

Generator: AMTEX Machine Products, Inc.

Address: 4517

4517 Brittmoore Road Houston, TX 77041

#### Waste Information

Name of Waste: Non-RCRA, non-DOT regulated wastewater

TCEQ Waste Code #: CESQ1042

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Dumping of vats used in the phosphating of oilfield couplers

Color: tan

Odor: none

**pH:** 3-11

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.





4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676 http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1:	Genera	tor In	formatio	<u>on</u>											
Company:	Amtex	Mach	ine Prod	ucts											
Address:	4517 B	rittm	ore Rd.												
City:	Housto	n				State:	TX		Zip:				77041		
Contact:	Fred Le	ach					Title:								
<b>Phone Num</b>	ber:	_	281-224	-8121			Fax Nu	ımber:	713-896-	-6363					
24/hr Phone	e Numb	er:	713-748	3-9804											
US EPA ID N	o:		CESQG												
State ID No:			CESQ				SIC Cod	de:	na						
		_													
SECTION 2:	Billing I	nforn	<u>nation -</u>	<u> </u>	Same as	<u>Above</u>									
Company:									_			-			
Address:						Chata			7.	_		-			
City:						_State:	Tidle		_Zip:						
Contact: Phone Num							Title: Fax Nu	mhori							
Phone Num	ber:		-	<del></del> -			Fax Nu	miber.							
SECTION 3:	Genera	Des	ription o	of the Wa	ste										
			•												
Name of Wa	iste:		Non-RCF	RA, Non-E	OOT regu	lated was	stewater					_			
<b>Detailed De</b>	scriptio	1 of P	rocess G	enerating	Waste:		dumpii	ng of va	ats used in	the pho	sphat	ing of	:		
oilfield coup	lers														
								_							
		_			_				_						
Physical Sta	te:		Liquid			Sludge			Powder	_					
		Ш	Solid			Filter Ca	ake		Combina	ition					
Color:	+						Odor:		nono						
Color.	tan					_	Odor:		none						
Specific Grav	vitv (wa	ter=1	):			1	.02		Density:	8.34-9	9	lbs/g	al		
-	, (		,-						- 0			, 6			
Does this ma	aterial c	ontai	n any tol	tal pheno	lic comp	ounds?		Yes	Į.	/ No					
Does this ma	aterial c	ontai	n any pa	ra substit	tuted ph	enolic co	mpounds?			Yes	4	No			
Is the Waste	-								-				Yes	V	No
Answer "Yes	" if your	wast	e contair	ns benzer	ie <b>AND</b> i	f the SIC o	code from y		•	of the f	ollow	ing:			
2812		2813		2816	2819		321	2822			2824		2833		2834
2835		2836		2841	2842		343	2844			2861		2865		2869
2873		2874		2876	2879		91	2892	289	93	2896		2899		2911
3312		4953		4959	9511	L									
Layers:	7	Sing	e-phase		] Mult	i-phase									
Container Ty	/pe:		Drum	□ То	te. 🔽	Truck	Other (	explair	n)						
Frequency: Quantity:	☑ We	ekly	☐ Mor	nthly 🗌	Yearly		e-Time								

		us Waste" per Il out the UHC		3?	Yes	V	No				
If "Yes", Is it: D001 (Ignitable) D002 (Corrosive) D003 (Reactive)  Characteristic for Toxic Metals: D004 D005 D006 D007 D008 D009  D010 D011  Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)											
Is this an "F" or "K" Listed waste or mixed with one?  If "Yes", then please list ALL applicable codes:											
Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under  40 CFR 261.33(e) or (f)?											
Texas State Waste Code Number:											
Proper US D	OT Shipping	Name:	Non-RCRA,	Non-DOT	regulated wastev	water					
Class:	na	UN/NA:	na	PG:	na	RQ:	na		'		
Flach	Point	pŀ	<u>.                                    </u>	Pone	tive Sulfides	Boactivo	Cyanides	Soli	de		
	.50	3-1		0	mg/l	0	mg/l	5	% %		
	Grease	TO			Zinc		per	Nicl			
<100	mg/l	7 1500	mg/l	16	mg/l	0	mg/l	8	mg/l		

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
Water	95-100	%
solids	0-5	%
debris	0-1	%
	·	
	<del></del>	
		73

#### SECTION 10: Waste Receipt Classification Under 40 CFR 437 ✓ YES ☐ NO Is this material a wastewater or wastewater sludge? If 'Yes', complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. Metals Subcategory: Subpart A Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment Oils Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations ☐ Wastewater from oil bearing paint washes **Organics Subcategory: Subpart C** \_\_\_ Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product

Still bottoms

Byproduct waste glycol
Wastewater from paint washes

☐ Wastewater from adhesives and/or epoxies formulation
☐ Wastewater from organic chemical product operations
☐ Tank clean-out from organic, non-petroleum sources

(1)	
	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
	Cadmium: 0.2 mg/L
	Chromium: 8.9 mg/L
	Copper: 4.9 mg/L
	Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	Metals Subcategory
	Oils Subcategory
	Organics Subcategory

### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

<b>SECTION 5: Safety Rela</b>	<u>ited Data</u>
If the handling of this w	aste requires the use of special protective equipment, please explain.
standard	
	<del></del>
SECTION 6: Attached S	unnorting Documents
	is, data and/or analysis attached to this form as part of the waste
	CES treatability test
approval package.	CLS treatability test
<del></del>	
CECTION T	911.0
SECTION 7: Incompatil	<del></del>
Please list ALL incompa	ubilities (if any):
none	
	s Knowledge Documentation
	he hazardous waste characteristics, listed below, WAS NOT PERFORMED
based upon the following	ng generator knowledge:
TCLP Metals:	X
TCLP Volatiles:	X
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	X
Ignitability:	X
,	
SECTION 9: Generator'	s Certification
The information contain	
	above and attached description is complete and accurate to the best of
	ty to determine that no deliberate or willful omissions of compostion
	t all known or suspected hazards have been disclosed. I certify that the
	resentative of all materials described by this document.
materials tested are rep	resentative of all materials described by this document.
Ath outpad Claustoner	Jack B Jack Date: 0/18/2008
Authorized Signature:	7 reg D. X snch Date: 9/18/2008
material state of feetile	
Printed Name/ Litle:	Fred Leach
CES USE ONLY (DO NOT	WRITE IN THIS SPACE)
	$Q \sim 21 \cdot 1$
Compliance Officer:	Jobhnallena-
Date: 9-18-08	Approved Rejected
Approval Number:	2990



# PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
Trans: \$0.07/gallon; Disposal: \$0.115/gallon
2. Contamination Limit (maximum limit before surchages apply):
Solids: 5% TOC: 10,000
2 Complement Delainer
3. Surcharge Pricing: Solids: \$0.01/gallon/percent greater than 5%; TOC: \$0.03/gallon/5000 toc greater than 10,000
Solids. \$6.61, gallolly percent greater than 5%, 1001 \$6.65, gallolly 5000 to greater than 10,000
4. Special Testing Requirements:
metals, toc, phenol, solids, pH
5. Treatment and Handling Protocol:
Standard wastewater treat - ***MUST DILUTE 5 TIMES WHEN DISCHARGING DUE TO HIGH ZINC & NICKEL
6. Treated Wastewater Discharge Subcategory:
✓ Subcategory A ☐ Subcategory B ☐ Subcategory C



# PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Re	covered/Recycled	(if applicable):		 
NA				 
		•		 
8. Management for Pr	oduct Recovered/F	Recycled (if applicable	)	 
NA				
			•	

# Profile # 1/05081043BH

	N	ES TX/NID	
NONHAZ	ARDOUS SOLID	WASTE DISPOSA	AL APPLICATION
	1. GENER	ATOR CERTIFICATIO	N
I hereby certify that I am the legal generator of my knowledge and ability, representative, of State of Disposal, nor does it contain PCB's reg	omplete, and accurate. This	waste is not a regulated hazardou	
GENERATOR Date: <u>5-Nov-07</u>	Signature:	ATOR'S AUTHORIZED SIGN	Xeach
Printed/Typed Name, Title, Employer	: Fred Leach, Enviro	nmental Manager, Amtex N	fachine Products
	2. GENER	ATOR INFORMATIO	N
b. Generator's Address: 4517 Britter City: Houston St. Telephone: (713) 896-4488 Fax: (713) 896-6363 c. Generator Representative: Do Title: Authorized Agent Telephone: (713) 748-9804	iore Road 6 ate: TX Zip: 77041 f g ana Carter		
A CONTRACTOR OF THE PARTY OF TH	3. WAS	TE DESCRIPTION	
a. Waste Name/Waste Description:	Phosphating Liquid		
b. Process of Waste Generation: c. TCEQ Waste Code # (If Applicable		wed in the phosphating of o	il field couplers
d. Origin of Waste:  ( Oil and Gas Field Name, Lease Name Well Name/# Rig Name/# Parish/Cour State:	/#: e/# #: f:	(**	Industrial Facility Facility Name: Same as above Address: City: Parish/County State: Facility State Id CESQG
e. Physical State: ( ) Solid	( Semi-Solid	(*) Liquid (	Powder (🔅) Combination
Frequency: ( ) Year h. Specify Method of Shipment: But		none ( ) CuYds (X) Gals (X ) Week ( ) Day  OSITION & CONSTI	( ) CuMtrs ( ) BBIs ( ) One Time ( ) Other
Physical Components Co	ncentration Range	Units	Amendments (Newpark Only)
Oil and Grease: Water: Solids: Foreign Debris: Other (List Below):		% % % %	
			Rofile modified 11-14-07 Wanalysis

Replaces Profile 814BH

Specific Gravity: NORM-Ra 226: Total Activity:

revised 4/21/06

datiles/Semi-Volatiles	Reg. Limit	(B) TOTA	Above	Method	Metals	Reg. Limit	Below	Above	Method
пиене	0.5 mg/L	×		•	Arsenk	5 mg/L	k .		1
rbon Tetrachkride	0.5 mg/L	* 1		Ç	Bariam	190 pig/L	*		1 7
lerobenzene	100 mg/L	×		r i	Codmium	1 mg/L	×		I A
oroform	6 mg/L	x		£ .	Chromium	5 mg/L	<b>x</b>		A
Cresol	200 mg/L	1 x 1		C	Lead	5 mg/L	X		4
resol	200 mg/L	x		C	Mercury	0.2 mg/L	x		- 4
resol	200 mg/L	<b>-</b>			Selenium	1 mg/L	<b>1</b>		_ <u>A</u> _
-Eschlorobenzene	7.5 mg/L	×		c c	Siver	5 mg/L	<b>x</b>		A
-Oslikovethykune	0.7 mg/L	x							$A_{-}$
Dichknoethane	0.5 mg/L	<b>x</b> 1							
-Dinfrotoksene	0.13 mg/s.	×			Hertx/Pests	Reg. Limit	Below	Alicue	Method
~		Comments of	(ma)		Chicrodana	0.03 mg/L			
achiorobenzone	0,13 mg/L				Essista	0.02 mg/L 0.008 mg/L			
eschiptorphisacinene	0.5 mg/L	*			Neptachlor/Heptachlor Epcodde		<b>^</b>		<b>Y</b>
ochloroethane	3 mg/L	*			Lindane	0.4 mg/L	*		4
thyl Ethyl Ketone	200 mg/L				Methoxychior	10 mg/L	ř		6
olastene	2 mg/L				Silvex (2,4,5-TP)	1.0 mg/L			C
tachlorophenol	100 mg/L				Toxaphene	0.5 mg/L	*		<b>C</b>
dine	5 mg/L	X	}		2,4·D	10.0 mg/L	*		C
rachkiroethylene	0.7 mg/L	*	1		Reactivity	Reg. Linnt	Selow	Ahove	Method
hicroethylese	0.5 mg/L	*			Sulfide	500 mg/kg	*		B
5 Trichkwophenol	400 пид/L	*			Cyanide	250 mg/kg	<b>X</b>		В
,6 Trichlorophenal	ž img/l.	*			Corrosive/Ignitable				В
yl Chloride	0.2 mg/L	*			Flashpoint (deg. F)	( ) 5140	(¥:) >140	( N/A	
					gar (Sta. Ceilt)	( ) ≤2.0	(X ) 2.1-12.	( ) >12.5	( ) N/
		}	1						
				CHODI E	MENTAL INCORMATI	ΛN.			
MSD Sh	pots				MENTAL INFORMATI		) Other	Generator	Knowledd
MSD Sh	eets	( ) C	Chain of Cu	stody	( Analytical Data	(※//	) Other	Generator	Knowledg
(MSD Sh	eets	( ) C	Chain of Cu	stody		(※//	) Other	Generator	Knowledg
aste Classifica		on:	Chain of Cu FO	stody	( Analytical Data  VPARK USE O	NLY			Knowledg
aste Classifica	ation Decision	on: ( ) N	FO NOGW	R NEV	VPARK USE O	(X) NLY	) Other		Knowledg
aste Classifica ) NIW	ation Decisio	on; ( ) N	FO NOGW ployees and	R NEV	VPARK USE O	(X) NLY			Knowledg
aste Classifica ) NIW andard Condit	ation Decisio	on; ( ) N	FO NOGW ployees and	R NEV	VPARK USE O	(X) NLY			Knowledg
aste Classifica  NIW andard Condit secial handling	ation Decisions: eye procedures	on: ( ) N otection, c , Precaution	FO NOGW gloves and ons, or Limi	R NEV splash suit itations on	VPARK USE O  ( ) Exempt OGW required to handle wast Approval:	NLY (	) Disapprov		Knowleds
aste Classifica  NIW andard Condit secial handling	ation Decisions: eye procedures	on: ( ) N otection, c , Precaution	FO NOGW gloves and ons, or Limi	R NEV splash suit itations on	VPARK USE O  ( ) Exempt OGW required to handle wast Approval:  Profile Approval Date:	(***) <b>NLY</b> (***	) Disapprov		Knowledg
aste Classifica NIW andard Condit becial handling ewpark Receivi	ions: eye properties	on: ( ) N otection, c , Precaution	FO NOGW gloves and ons, or Limi	R NEV splash suit itations on	VPARK USE O  ( ) Exempt OGW required to handle wast Approval:	NLY  (a)  Date: //-	) Disapprov		Knowledg
aste Classifica  NIW andard Condit becial handling ewpark Receivi proval Signatu	ation Decisions: eye properties Procedures ing Facility: ure:	on: ( ) N otection, c , Precaution NES LLC 1	FO NOGW gloves and ons, or Liminate Managemental info	splash suit itations on (Ind.)	VPARK USE O  ( ) Exempt OGW required to handle wast Approval:  Profile Approval Date: Profile Recertification Profile Expiration Date	NLY  Calcarder  Date: //- Calcarder	) Disapprov 05-07 05-08 05-09		Knowledg
aste Classifica  NIW andard Condit secial handling ewpark Receivi sproval Signate shmit complete Newpark	ation Decisions: eye properties Procedures ing Facility: ure:	on: ( ) N otection, o , Precaution NES LLC 1 all supplemental Mana	FO NOGW gloves and ons, or Lim Big Hill, Tx mental info	splash suit itations on (Ind.)	VPARK USE O  ( ) Exempt OGW required to handle wast Approval:  Profile Approval Date: Profile Recertification—Profile Expiration Date	NLY  Cate: //- C	) Disapprov 05-07 05-08 05-09		Knowledg

# Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

**CES Environmental Services** 

4904 Grigge Rd Houston, TX 77021 Phone: (713) 676-1460

(713) 676-1676

Attn:

**Dana Carter** 

- CERTIFICATE OF RESULTS -

MES Lab#:

7110108

Client Sample ID:

Amtex

Sample Receipt Date: 11/6/2007 @ 4:22:00 PM

Test Group / Method						
Reactivity, Recoverable Hydrogen C	yanide				Analyst: CL	
Method: 7.3.3.2	lethod: 7.3.3.2 MDL				Date / Time	
Hydrogen Cyanide	0.25		< 0.25	mg/kg	11/8/2007 / 2:30 PM	
Reactivity, Recoverable Hydrogen S			_		Analyst: CL	
Method: 7.3.4.2	MDL		Result	Units	Date / Time	
Hydrogen Sulfide	0.25		< 0.25	mg/k <b>g</b>	11/7/2007 / 4:20 PM	
Corrosivity: pH					Analyst: JE	
Method: SW 846 9045	MDL		Result	Units	Date / Time	
рН			10.1		11/7/2007 / 6:45 PM	
Ignitability					Analyst: DEB	
Method: SW-846 1010	MDL		Result	Units	Date / Time	
Flashpoint			>150	deg F	11/8/2007 / 12:29 PM	
Total Petroleum Hydrocarbons Solid					Analyst: TFR	
Method: TNRCC 1005	MDL_		Result	Units	Date / Time	
C6 - C12 Hydrocarbons	4		< 4	mg/kg	11/7/2007 / 7:29 AM	
>C12 - C28 Hydrocarbons	8		356	mg/kg	11/7/2007 / 7:29 AM	
>C28 - C36 Hydrocarbons	8		427	mg/kg	11/7/2007 / 7:29 AM	
Total TPH	<b>20</b>		783	mg/kg	11/7/2007 / 7:29 AM	
TCLP Metals (11)					Analyst: AM	
Method: SW-846 6010B	MDL	RL	Result	Units	Date / Time	
Antimony	0.032	1	0.083	mg/L	11/7/2007 / 10:17 PM	
Arsenic	0.014	5	0.033	mg/L	11/7/2007 / 10:17 PM	
Barium	0.0005	100	0.124	mg/L	11/7/2007 / 10:17 PM	
Beryllium	0.0005	0.08	0.0007	mg/L	11/7/2007 / 10:17 PM	
Cadmium	0.002	1	< 0.002	mg/L	11/7/2007 / 10:17 PM	
Chromium	0.002	5	0.274	mg/L	11/7/2007 / 10:17 PM	

Report Date: 14-Nov-07

Page 1 of 2

### - CERTIFICATE OF RESULTS -

MES Lab#:

7110108

Client Sample ID:

Amtex

Sample Receipt Date: 11/6/2007 @ 4:22:00 PM

Lead	1.	0 005	5	0.450	mg/L	11/7/2007 / 10:17 PM
Nickel		0.003	70	3.71	mg/L	11/7/2007 / 10:17 PM
Selenium		0.024	1	0.051	mg/L	11/7/2007 / 10:17 PM
Silver		0.002	5	< 0.002	mg/L	11/7/2007 / 10:17 PM
TCLP Mercu	ıry				. :	Analyst: AM
	-846 7470A	MDL	RL	Result	Units	Date / Time
Mercury		0.0002	0.2	< 0.0002	mg/L	11/8/2007 / 4:37 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

Holland D. Gilmore, Laboratory Director

Wednesday, November 14, 2007

Date

Report Date: 14-Nov-07

Page 2 of 2

7110108

# MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

ANALYTE STD

Flashpoint

 ANALYTE
 7.0
 ORIG
 DUP
 RPD

 pH
 7.0
 7.89
 7.91
 0.25

82°F

ORIG DUP
ANALYTE mg/kg mg/kg RPD

Reactivity as Hydrogen Sulfide < 0.25 < 0.25 0.00

ORIG DUP STD mg/kg mg/kg RPD

Reactivity as Hydrogen Cyanide < 0.25 < 0.25 0.00 104

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	MS %REC	MSD %REC	RPD
Antimony	< 0.005	107.5	111	3.32	< 0.005	105	81.2	83.8	2.9
Arsenic	< 0.003	94	94	0.7	< 0.002	91	76.4	77.2	1.04
Barium	< 0.002	105.0	105	0.43	< 0.002	101	65.2	67.7	3.8
Beryllium	< 0.002	109.6	110	0.73	< 0.002	107	82.1	84.6	3.1
Cadmium	< 0.001	109.4	110.9	1.32	< 0.001	107	70.9	72.0	1.5
Chromium	< 0.001	109	107	2.50	< 0.001	103	70.0	72.2	3.0
Lead	< 0.002	106.1	109.2	2.90	< 0.002	107	67.7	71.9	6.1
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0			
Nickel	< 0.001	105	106	1.66	< 0.001	104	69.3	74.9	7.7
Selenium	< 0.024	108.1	91.4	16.7	< 0.024	87	64.9	61.8	5.0
Silver	< 0.001	110	109	0.91	< 0.001	104	73.4	75.6	3.06

%REC

ANALYTES	METHOD TPH1005	MB mg/kg	CCV %REC	MS %REC	MSD %REC		
C6-C12 C12-C28		< 4 < 8	106.0 101.2	108.5 104.1	114.3 109.9		

- Mercury Environmental Services, Inc. -

PAGE 03/05

WEZ

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11/14/5007 14:54

7110108 Page 2

#### **QA/QC REPORT CONTINUED**

### Key to QA Abbreviations

MS=Matrix Spike
RPD=Relative Percent Deviation
LCS=Laboratory Control Standard
CCB=Continuing Calibration Blank
MDL=Minimum Detection I imit

MSD=Matrix Spike Duplicate
MB=Method Blank
CCV=Continuing Calibration Verification
%Rec=Percent Recovery
RL=Regulatory Limit

Signature: Holland D. Gilmore / Laboratory Director

November 14, 2007

- Mercury Environmental Services, Inc.

PAGE 04/05

MEZ

4:54 2814764406

11/14/5007 14:54

17/676-1676

MATRIX

YOUR PROJECT NAME:

TIME

DATE

COMPANY NAME: (BILL TO:) CES ENVIRONMENTAL SERVICES

YOUR P.O. 4:

GRAB/COMP

CONPANY ADDRESS: 4104 Brings NS.

CONTACT PERSON'S PHONE: (7)676-1460

YOUR SAMPLE DESCRIPTION

CITY HOUSTON

CONTACT PERSON'S NAME:

YOUR PROJECT NO .:

PROJECT ADDRESS:

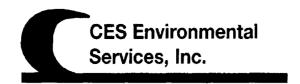
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2814764406

MES

05/05



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 9/18/2008

Dear **Robbie Preston** 

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

**CES Profile #** 2994

Expiration Date 9/18/2010

Generator: Crown Beverage and Packaging

12910 Jess Pirtle Address:

Sugarland, TX 77478

Waste Information

Name of Waste: Oily water TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Manufacturing of aluminum cans

**Odor:** hydrocarbon pH: neutral

Color: varies **Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.





4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461

ISWR Number: 30900

JB

SECTION 1:	Generator	nformation	<u>on</u>											
	Crown Beve		Packaging	3										
Address:	12910 Jess	Pirtle												
City:	Sugarland				_State:	TX		_Zip:						77478
Contact:	Les Webbe	r				_ Title:		Tech. Ma						
Phone Num	ber:	281.240	0.4838			_ Fax Numl	ber:	281.240.	2275					
24/hr Phon	e Number:	281.240	0.4838			_								
US EPA ID N	lo:	TXCESQ	G											
State ID No	:	CESQG				_SIC Code:		NA						
SECTION 2:	Billing Infor	mation -		same as	Above									
Company:			_											
Address:	PO Box 697	•												
City:	Denham Sp	rings			State:	LA		Zip:						70706
Contact:	Robby Mer	siorsky			-	Title:		_ Managing	g partn	er				-
Phone Num	ber:	(713) 88	32-7740			Fax Numl	oer:	(832)344	-5452					
SECTION 3:	General De	scription (	of the Wa	<u>ste</u>										
Name of Wa	aste:	Oily wat	ter											
Detailed De	scription of			Waste:										
Manufactur	ing of alumir	num cans												
Physical Sta	te:	Liquid Solid			Sludge Filter Cake	e		Powder Combinat	tion					
Color:	varies				_	Odor:		hydrocarl	oon		_			
Specific Gra	vity (water=	1):			<u>-</u>	1_		Density:		8.34	lbs/g	al		
Does this m	aterial cont	ain any to	tal nheno	lic comn	ounds?		Yes	<b>-</b>						
Does this in	aterial conta	ani any to	tai piieilo	ne comp	ounus:		163	<u>.</u>	] 140					
Does this m	aterial conta	ain any pa	ira substit	uted ph	enolic com	pounds?			Yes	<b>V</b>	No			
Is the Waste	subject to	the benze	ne waste	operatio	n NESHAP	? (40 CFR P:	art 6	i1, Subpart	: FF)			Yes	V	No
Answer "Yes										follow	/ing:		_	
2812	2813		2816	2819			2822			2824		2833		2834
2835	2836	5	2841	2842	2843	3 2	2844	285	1	2861		2865		2869
2873	2874	1	2876	2879	2893	1 2	2892	289	3	2896		2899		2911
3312	4953		4959	9511										
Layers:	☐ Sin	gle-phase	. [	Mult	i-phase									
Container T	уре: 🗌	Drum	☐ Tot	te 🗸	Truck [	Other (ex	plair	۱)						
Frequency:	_	√ ✓ Mo	nthly 🗌	Yearly	One-1	ime -								

If "Yes", th	nen please con	_	d date the Un	derlying Haza	☐ Ye ardous Constitue	ents Form at			
	tic for Toxic i	] D001 (Ignita Metals: Organics: D01:	☐ D00	.0 🗆 D01	5 🗍 D00	] D003 (Re 6 ☐ D00		□ D009	Э
				(picase list t					
		ed waste or m st ALL applica		ie?	☐ Ye	s [	√ No		
40 CFR 261. If "Yes", t	33(e) or (f)? hen please li	st ALL applica		Yes [	a "U" or "P" w / No	aste code u	under		
Texas State	Waste Code	Number:		Recycle			_		
Proper US D	OT Shipping	Name:	Non RCRA	Non DOT re	gulated materl	a (oily wate	er)		
Class:	na	_UN/NA:	na	PG:	na	RQ:	na		
Flash	Point		Н	React	ive Sulfides	Reactiv	e Cyanides	So	lids
>:	140	nei	utral	0	<u>mg/l</u>	0	mg/l	1	%
Oil &	Grease	T	ос		Zinc	C	opper	Nic	kel
>1500	mg/l	5-10k	mg/l	0	mg/l	0	mg/l	0	mg/l
SECTION 4:	Physical and	Chemical Dat	a						
		MPONENTS TA				CONCEN	ITRATOIN		UNITS
Th	e waste cons	ists of the foll	owing mater	ials		Ranges are	acceptable		or %
					B	F.0			1 0/

COMPONENTS TABLE	CONCENTRATOIN	UNITS		
The waste consists of the following materials	Ranges are acceptable	or %		
water	50-95	%		
oil	5-50	%		
		-		
	<del></del>			

	lling of this w		of special protective equip	ment, please explain.	
	uments, note	upporting Document s, data and/or analys	<u>s</u> is attached to this form as p	part of the waste	
		ilities ibilities (if any):			
Laboratory	analysis of th	s Knowledge Docume ne hazardous waste cl g generator knowled	haracteristics, listed below,	WAS NOT PERFORMED	
TCLP Meta	ls:	x			
TCLP Volat	iles:	x			<del></del>
TCLP Semi-	Volatiles:	х			
Reactivity:		X			
Corrosivity	:	х			
Ignitability	:	х		***	
SECTION 9:	Waste Receip	t Classification Under 4	O CFR 437 (Prtaining to Pre-T	reatment Requirements for Centralized Wast	e Treatment
Facilities)		ial a wastewater or was complete this section.	stewater sludge?	✓ YES ☐ NO	
	PLEASE CHE	CK THE APPROPRIATE E	BOX. IF NO APPROPRIATE CAT	TEGORY, GO TO THE NEXT PAGE.	
<u>Metals Sub</u>	category: Sub		ludese		
· L	_ '	oplating baths and/or s ng rinse water and sluc	•		
Ė	Chromate w	•	,5C3		
Ī	Air pollution	control blow down wa	ter and sludges		
	Spent anodiz				
Ļ	Incineration				
F		mercury taining wastes greater	than 136 mg/l		
F		and bases with or with			
	=			plating or phosphating operations	
		burring wastewater			
L		acid solutions used to	clean metal parts or equipme	nt	
Oils Subcate	<u>egory</u> : Subpar	t B			
	Used oils				
	≒	ulsions or mixtures			
Ļ.	Lubricants				
L	_l Coolants ☐ Contaminate	d groundwater class :	in from notroloum courses		
F	Used petrole	_	p from petroleum sources		
ř	Oil spill clear	•			
Ē	Bilge water	•			
Ī		waters from petroleum	sources		

(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper,
	or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcategory
	Oils Subcategory
	Organics Subcategory
SECTION	10 Additional Instructions

Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L

### 5

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

SECTION 11: Generator's Certification generator knowledge and/or analytical data. The information contained herein is based on I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of compostion properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature:	_ do Whh	Date	: 09/18/08
Printed Name/Title:	hes wrbber	MTS	,

CES USE ONLY (DO NOT W	RITE IN THIS SPACE)	
Compliance Officer:	Rebend 1.	A
Date: Q -18-0		Rejected
Approval Number:	299U	

Total P.005

p.5

P.005



### PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
\$.10/gal Trans \$70 + FSC
2. Contamination Limit (maximum limit before surchages apply):
sandard per rate sheet
3. Surcharge Pricing:
standard per rate sheet
4. Special Testing Requirements:
phy toc, thenol, % oil. If this is an emulsion it is non contorning and the toc will probably be high. Then surcharges will apply.
5. Treatment and Handling Protocol:  If there is an oil phase this will require a decent.
If there is an oil phase this will require a decart.
6. Treated Wastewater Discharge Subcategory:
Subcategory A Subcategory B Subcategory C



### PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recov	ered/Recycled (if appl	licable):	 
<u> </u>			 
8. Management for Produ	ct Recovered/Recycle	d (if applicable)	 
·			

Walmart 2995

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 9/19/2008

Dear Todd

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2995

**Expiration Date** 9/17/2010

Generator: Wal-mart Store #504 c/o Environmental Products & Services

**Address:** 6702 Seawall Blvd.

Galveston, TX 77551

Waste Information

Name of Waste: Oily Debris

TCEQ Waste Code #: CESQ4091

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

debris collected from hurricane clean-up containing water, dirt, and oil

Color: dark

**Odor:** hydrocarbon

**pH:** 4-10

**Physical State:** 

Incompatibilities: oxidizers

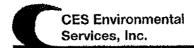
Safety Related Data/Special Handling:

standard PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



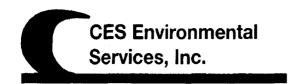
4904 Griggs Road Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 3090 ISWR No: 30900

SECTION 1: General	ator Information	on	***************************************										
Company:	Wal-mart St	Wal-mart Store #504 c/o Environmental Products & Services											
Address:	6702 Seawa	6702 Seawall Blvd. 702 SW 6th Street											
City, State, Zip:	Galveston TX 77551												
Contact:	Todd			M*****			Title:	******	a magazin daga daga daga daga daga daga daga dag				
Phone No:	المنافع المراجع المنافع والمنافع المنافع المنا			### PFFE WWW. 12004 Banks		22700000000000000000000000000000000000	Fax:			<del></del>		magazi e e e e e e e e e e e e e e e e e e e	
24 / HR Phone:	An angegony & destructions and protograph	a to constant of the light of the same constant of the light of the li		**************************************		*********************							
U.S EPA I.D No:	na	a											
State I.D:	na SIC Code								and the same of the same and the				
SECTION 2: Billing	Information												
Company:	Environmental Products & Services												
Address :	emergency	esponse for	various lo	cations	40 Han	nilton L	n.	Transmission of the office of the					
City, State, Zip:	Glenm	41, +nu	12	077					to perfect continuous based to				
Contact:	Todd or	Jake					Title :						
Phone No:	(315) 480-43	357 (40	4) 516-	2940			Fax:						
SECTION 3: Genera	al Description	of the Waste	)										
Name of Waste :	Oily Debris					NEL TIME STEINGERSON & CO.			د د و د ر	**************************************	***********	etan, njir o soviten pirones sissa si	
Detailed Descript	ion of the P	rocess Gen	erating W	aste:									
debris collected fro	om hurricane	clean-up co	ntaining w	/ater, dir	t, and oi	il							
Physical State:	📝 Liqui	id	[] Slu	ıdge		Po	wder						
	<b>✓</b> Solid	ł	[] Fil	ter Cake		<u></u> Co	mbinatio	on					
Color:		***************************************	dark		Od	or:		********		hyd	drocarb	on	Antonia
Specific Gravity (	Water=1) :		na		De	nsity:		**********	AND COMMISSION	na	B. ANA. III JANA. P. N. P.		bs / gal
Does this material of	contain any to	tal phenolic	compound	ls?	☐ Ye	s	✓ No	)					
Does this material of	contain any pa	ara substitute	ed phenoli	c compo	unds?		Yes	ï	Ž. No				
Is the Waste subjec	t to the benze	ne waste op	eration NE	SHAP? (	40 CFR F	<sup>2</sup> art 61,	Subpart	FF)	; i	Yes	V	No	
2812 2813 2	816 2819	2821 282	2 2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861 2865 2	869 2873	2874 287	6 2879	2891	2892	28 <del>9</del> 3	2896	2899	2911	3312	4953	4959	9511
Layers:	Sing	le-Phas	∏ Mu	ılti-Phas	3 <b>e</b>								
Container Type :	Drun	n 🗍	Tote		Truck		Other	(explai	n)	********	*****		hatering magnetic re
Container Size :	55	of the state of th											
Number Of Units	: 5												
Is this a USEPA "H If "Yes", then ple		•			ardous Co		✓ N nts Form		l hereto				
If "Yes", is it:	D001	D002	D003										

Characteristic for Toxic Me	tals: 🗍 D004	D005	D006	[] ב	0007	
	D008	D009	□ D010	<u> </u>	0011	
Characteristics for Toxic Or	ganics: D012 thru l	0043 (please	e list all that a	apply)		
Is this an "F" or "K" Listed	waste or mixed wit	n one?	Yes	✓ No		
If "Yes", then please lis	t ALL applicable cod	param money			1984 - 19	
Is this a commercial production 261.33(e) or (f)?	ct or spill cleanup th	nat would ca	rry a "U" or "	P" wast	te code under 40 CFR Yes	s 📝 No
If "Yes", then please lis	t ALL applicable coo	les:	enting on the second section of the section of the second section of the section of the second section of the section of t			
Texas State Waste Code N	10: CESA	4091	The second of th			
Proper U.S. State Waste C	ode No :	Ŋ	Ion-RCRA/No	n-DOT	Regulated Material (oily debris)	
Class: na	UN/NA :	na		PG:	na	RQ: na
Flash Point	рН	Re	active Sulfid	es	Reactive Cyanides	Solids
>200	4-10	1 .	0	mg/l	0 mg/l	0-4 %
Oil and Grease	тос		Zinc		Copper	Nickel
>1500 mg/l	0	mg/l	0	mg/l	0 mg/l	0 mg/l
	\$1.00m.ord 51. m.m.m.m.m.m.m.m.m.m.m.m.m.m.m.m.m.m.m				1,000 to 10,000	4
SECTION 4: Physical and Che	mical Data					
And the state of t	COMPONENTS T	ABLE			Concentration	Units
The material / pr	roduct consists of		ng materials		Ranges are acceptal	1 1
	oil			<del>***.</del>	5-10	%
	water				5-10	%
	solids (oil, dirt, sand	debris)			80-90	%
						1
SECTION 5: Safety Related Da	ıta					
If the handling of this wast		of enocial t	arataatiya aa	udnma	nt niasea evolsin	
standard PPE	e requires the use	OI Special	orotective ed	hibite	nt, piease expiant.	
SECTION St Attached Support	ina Dagumenta					
SECTION 6: Attached Support		 .!	l de dhie fau.		d af the counts account and le	
none	uata, and/or analy:	sis allached	to this form	as pai	rt of the waste approval packa	ige.
AFORION II.						
SECTION 7: Incompatibilities						
Please list all incompatibili oxidizers	ties (if any):					
OAIGIZOIS						
SECTION 8: Generator's Know						
Laboratory analysis of the following generators know		haracterist	ics, listed be	low, W	AS NOT PERFORMED based	upon the
TCLP Metals :	<u>X</u>					
TCLP Volatilies :	X					
TCLP Semi-Volatiles :	X					
Reactivity:	X					
			2			

Corro	sivity :	X			
lgnita	bility:	X			
SECTI	ON 9: Waste Receipt Cl	assification Under 40 (	CFR 437	NT-AAR	
ls this	material a wastewate	r or wastewater sludg	e ?	YES	<b>☑</b> NO
If 'YES	S', complete this section	n			
PLEA	SE CHECK THE APP	ROPRIATE BOX: IF I	NO APPR	OPRIATE	CATEGORY, GO TO THE NEXT PAGE
	s Subcategory: Sub				
D	Spent electroplating I				
	Metal finishing rinse	_			
	Chromate wastes				
,	Air pollution control b	low down water and s	ludaes		
	Spent anodizing solu		<i>y</i>		
	Incineration wastewa				
	Waste liquid mercury				
	Cyanide-containing w		86 mg/l		
	Waste acids and bas	_	-		
	Cleaning, rinsing, and	surface preparation	solutions	from electr	oplating or phospha
	Vibratory deburring w				
	Alkaline and acid solu	utions used to clean n	netal parts	s or equipm	nent
Olla 6	Subaataaanu Sub	and B			
	Subcategory: Subj Used oils	Dail B			
	Oil-water emulsions of	r mivtures			
	Lubricants	i inatales			
	Coolants				
	Contaminated ground	iwater clean₊un from i	netroleum	SUITCES	
	Used petroleum prod		potroicum	300,000	
	Oil spill clean-up				
	Bilge water				
	Rinse/wash waters from	om petroleum sources	3		
	Interceptor wastes	•			
	Off-specification fuels				
	Underground storage				
	Tank clean-out from p	etroleum or oily sour	ces		
******	Non-contact used gly	cols			
****	Aqueous and oil mixtu	ıres from parts cleani	ng operat	ions	
	Wastewater from oil b	earing paint washes			
	ics Subcategory Sub Landfill leachate	opart C			
	Contaminated ground	water clean-up from r	non-petrol	eum sourc	es
	Solvent-bering wastes				
	Off-specification organ				
	Still bottoms				
	Byproduct waste glyce	ો			
	Wastewater from pair				
	Wastewater from adh		formulatio	on	
	Wastewater from orga	inic chemical product	operation	าธ	

<u></u>	Tank clean-out from organic, non-petroleum sources
(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	Metals Subcatego
	☑ Oils Subcatego
	☐ Organics Subcategory
SE	CTION 10: Additional Instruction
Çń	ou cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, romium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these ncentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.
	CTION 11: Generator's Certification
ab del	e information contained herein is based on  generator knowledge and/or  analytical data. I hereby cerity that the over and attached description is complete and accurate to the best of my knowledge and ability to determine that no liberate or willful omissions of composition properties exist and that all known or suspected hazards have been closed. I certify that the materials tested are representative of all materials described by this document.
Αu	thorized Signature :
Pri	nted Name / Title: / Scott Clary hojest Mariages
CI	ES USE ONLY (DO NOT WRITE IN THIS SPACE)  Process Facility Information:
Co	ompliance Officer: Roburth A
Dε	te: 9/17/2008 Status: Approved Rejected
Α¢	pproval Number: 2995



# Waste Pre-Acceptance/Approval Letter

Date 9/19/2008

Dear James Barnett

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2996

Expiration Date 9/19/2010

**Generator:** Tex-Tube Company

Address: 1503 North Post Oak Road

Houston, TX 77255

**Waste Information** 

Name of Waste: Oily water TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Oily water from pipe manufacturing

Color: varies O

**Odor:** oil

**pH:** 3-11

**Physical State:** 

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

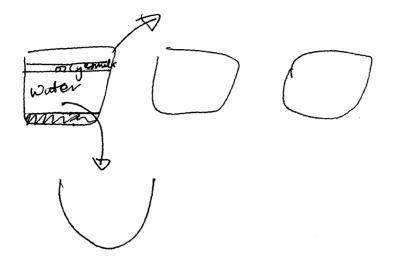
Matt Bowman, President CES Environmental Services, Inc.

Hap	****/.
A STATE OF THE STA	
An Emulsion is	
mon- con terming and CES Environments Services, Inc.  4904 Griggs Road, Houston, TX 770	- 1
CES Environments	<u> </u>
( need by be 4904 Griggs Road, Houston, TX 770	
cercharged for to c Phone: (713) 676-1460 Fax: (713) 676-1460 http://www.cesenvironmental.co	
I he if ho eggetted Industrial Solid Waste Permit Numb	
U.S. EPA ID Number: TXD008950461 ISWR I	Number: 30900
SECTION 1: Generator Information	
Company: Tex-Tube Company	
Address: 1503 North Post Oak Roal	7 100-175 5710
Contact: James Ramett State: 1X  Title:	zip: <u>77255 - 5710</u>
Phone Number: 7(3 - 625 - 3206 Fax Number Fa	nber: 713 - 685 - 3257
24/hr Phone Number: 281 - (067 - 1980	
US EPA ID No: 1200395 22610	
State ID No:	e: <u>始</u> 3317
SECTION 2: Billing Information - Same as Above	
Company:	
Address:	
City: State:	Zip:
Contact: Title: Phone Number: Fax Nu	
Phone Number: Fax Nui	ilibei.
Detailed Description of Process Generating Waste:	Water from pipe manufactu
Physical State: Liquid Sludge Solid Filter Cake	Powder Combination
Color: Varier Odor:	01
Specific Gravity (water=1): 0.9-1	<b>Density</b> :5-8. 34 lbs/gal
Does this material contain any total phenolic compounds?	Yes 🔀 No
Does this material contain any para substituted phenolic compounds?	☐ Yes 🔀 No
Is the Waste subject to the benzene waste operation NESHAP? (40 CFR	Part 61, Subpart FF)
Answer "Yes" if your waste contains benzene AND if the SIC code from y	• • • • • • • • • • • • • • • • • • •
2812 2813 2816 2819 2821	2822 2823 2824 2833 2834
2835 2836 2841 2842 2843	2844 2851 2861 2865 2869
2873 2874 2876 2879 2891 3312 4953 4959 9511	2892 2893 2896 2899 2911
3312 4333 4333 3311	
Layers: Single-phase X Multi-phase	
Container Type:   Drum  Tote  Truck  Other (	explain)
Frequency: Weekly  Monthly  Yearly  One-Time	
Quantity: 20,000 gal	

	ous Waste" per 40CFR 261.5 aplete, sign and date the Undo		Yes Constituents For	No rm attached hereto  ■ The stack in		
Characteristic for Toxic N		D011	□ D006 □	3 (Reactive)   D007	□ 0000	
Characteristic for Toxic C	riganics. Dotz tina Do45 (F	nease list all that	appiy			
	d waste or mixed with one st ALL applicable codes:	?	☐ Yes	⊠ No		
40 CFR 261.33(e) or (f)?	duct or spill cleanup that w Yest ALL applicable codes:	ould carry a "U" es 💢 No	or "P" waste co	ode under		
Texas State Waste Code	Number:	Recy	de			
Proper US DOT Shipping Class:	Name: Nov	PG:	Nm - 00:	T Regulate	ed Material (0	lity water
Flash Point	pH	Reactive Su		active Cyanides	Solids	1
>140	3-11	NA		NA mg/l	<b>()</b> %	1
Oil & Grease	TOC	Zinc		Copper	Nickel	
7/500 mg/1	5-10 k mg/l	NA	mg/l	リタ mg/l	NA mg/l	
SECTION 4: Physical and				NCENTRATOIN		1
	MPONENTS TABLE	ala .		UNITS	-	
The waste cons	ists of the following materia	ais	Range	or %	1	
Date			05	24-	0/-	ł
05 50,07			<del></del>	0.1	<del></del>	1
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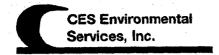
SECTION 5: Saf	fety Related	d Data						
If the handling	of this wast	e requires	the use of s	pecial protec	ctive equipn	nent, please	explain.	
	stand					,,		
	()100 ION 1	NI C	<u> </u>					<del></del>
					_			
SECTION 6: Att			_					
List all docume		lata and/o	r analysis at	tached to th	is form as pa	art of the wa	aste	
approval packa	ige.							····-
SECTION 7: Inc	compatibilit	ries						
Please list ALL in			v):					
	dinger	-						
	7							
SECTION 8: Ge								
Laboratory ana	•			cteristics, iis	ted below, i	WAS NOT P	EKFORMED	
based upon the	e following g	generator i	knowledge:					
TCLP Metals:		UA						
TCLP Volatiles:	_							
TCLP Semi-Vola								
Reactivity:	_	N/A			_			
Corrosivity:	_	NA						
Ignitability:	-	NA						
	_				_			
	ste Receipt C	lassification	<u> Under 40 CF</u>	R 437 (Prtain	ing to Pre-Tr	<u>eatment Rec</u>	uirements fo	or Centralized Waste Treatment
<u>Facilities</u> )							T	
Is t		a wastewat mplete this	er or wastew	rater sludge?			, 🔀 YES	∐ NO
	11 163,001	iipiete tilis	section.					
PLI	EASE CHECK	THE APPRO	PRIATE BOX.	IF NO APPRO	OPRIATE CAT	EGORY, GO 1	O THE NEXT	PAGE.
Adatala Cubanta	Cubaa							
Metals Subcated			and/or sludg	ac.				
	etal finishing	_		,63				
	romate wast		•					
_	•		down water a	and sludges				
	ent anodizin	-						
=	cineration wa aste liquid m							
	•	,	greater than	136 mg/l				
			h or without					
=	-	•		on solutions f	rom electrop	lating or pho	sphating op	erations
	bratory debu					_		
∐ Alk	kaline and ac	ia solutions	used to clea	n metal parts	or equipmen	it		
Oils Subcategory	χ: Subpart B	3						
=	ed oils							
=	l-water emul	sions or mix	ctures					
=	bricants							
	olants Intaminated	groundwate	er clean-un fe	om petroleun	n sources			
_	ed petroleun	-	a occurrup II	om penoieun	Journes			
	l spill clean-u	•						
	lge water							
∐ Rin	nse/wash wa	ters from p	etroleum sou	rces				

Inter	ceptor wastes
_	pecification fuels
_	erground storage remediation waste
	clean-out from petroleum or oily sources
_	contact used glycols
	eous and oil mixtures from parts cleaning operations
wast	tewater from oil bearing paint washes
Organics Subcateg	ory : Subpart C
	fill leachate
=	aminated groundwater clean-up from non-petroleum sources
	ent-bearing wastes
Off-s	pecification organic product
Still b	pottoms
	oduct waste glycol
_	tewater from paint washes
	tewater from adhesives and/or epoxies formulation
	tewater from organic chemical product operations
∟ lank	clean-out from organic, non-petroleum sources
(1)	
	e waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
	,
(2)	
If the	e waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in
exces	ss of the values listed below, the waste should be classified in the metals subcategory.
	Cadmium: 0.2 mg/L
	Chromium: 8.9 mg/L
	Copper: 4.9 mg/L
	Nickel: 37.5 mg/L
	e waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, ckel above any of the values listed above, the waste should be classified in the organics subcategory.  Metals Subcategory  Oils Subcategory  Organics Subcategory
SECTION 10 Additi	onal instructions
If you connet dotor	rmine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium,
Copper, Nickel, and	d Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This eptance. The generator will be responsible for the cost of the analysis.
SECTION 11. Gor	nerator's Certification
	contained herein is based on
	nat the above and attached description is complete and accurate to the best of
-	nd ability to determine that no deliberate or willful omissions of compostion
•	and that all known or suspected hazards have been disclosed. I certify that the
materials tested a	are representative of all materials described by this document.
	1 - 1 Min out to
Authorized Signa	ture: Date: 9-18-40
Printed Name/Tit	the: Janes F. Barrett / ESH Professional.
CES USE ONLY (DO	O NOT WRITE IN THIS SPACE)
Compliance Office	er: Kobandtilina
Date: 9-19	7-08 Approved Rejected
Approval Number	2996



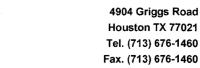
# PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	#0.10/gal +trans+fsc
2	Contamination Limits (maximum limit before surcharges apply):
4.	Contamination Limits (maximum mint before surcharges appry);
	Stainetals, TOC, pH, phenol, No heat required (1+ 80, surchange (5000)
	Must pero chlor-d-tect
3.	Surcharge Pricing:
	\$10.03/gal per 5000 TOC in excess of 5000
	\$10.03/gal par 5000 TOC in excess of 5000 \$0.02/gal for heat
4.	Special Testing Requirements:
	St1: metalo, TOC, pH, phenol, Chlor-d-tect on oil phase
	It this is an emulsion and has a high TOC it is non-conforming and nade
	It this is an emulsion and has a high TOC it is non-conforming and nods a surcharge for toca heat if necessary.
5.	Treatment and Handling Protocol:
	Sub. Cat B water
Ì	
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☑ Subcategory B ☐ Subcategory C

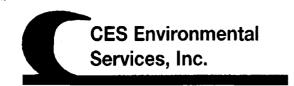


### PROCESS FACILITY INFORMATION (CES USE ONLY!!)

<del></del>		<del></del>		 	
Management for P	roduct Recovere	d/Recycled (if ap	olicable):	<i>e</i>	
Management for P	roduct Recovere	d/Recycled (if app	olicable);		



pH: neutral



# Waste Pre-Acceptance/Approval Letter

Date 9/19/2008

Dear Ron Kohler

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 299

**Expiration Date** 9/19/2010

**Generator:** RSC Rentel Corp. **Address:** 8200 East Freeway

Houston, TX 77029

Waste Information

Name of Waste: Latex paint water TCEQ Waste Code #: CESQ1191

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Spilled latex paint flushed with water

opined latex paint hashed with water

Color: varies
Physical State:

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Odor: slight

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

eled. 1	0. 2008010:57A	M ces envii	ROMENTAL			71374N	o. 1110 Fp. 2
. component Latex paint	s table do.	not addup-	needs oo	rection			1
Later paint	reacts & poly	men'ses	CES Environ Services, in	nmental S		JB	AL
with acids. (	Taunst Ames	4904	Griggs Road, Hous	con, IX //UZX			11.
with acros,	Emil pire	Phone: 17	13) 676-1460 F	ax: (713) 676-167	6		
wwts at	المريم والماءة	TCEQ Indus	trial Solid Waste Pe	<u>mentsicom</u> rnit Number: 90:	948		
to pricess to	system 1.	U.S. EPA ID Numi	ber: TXD008850461	ISWA Numbi	er: 30900		
			esc lu	and Con	<b>√</b> Δ.		<del></del>
iend to Marlin.	SECTION 1: Generate Company:	or Information					
	Address:	9200 Ex	it from	Nacret A.	<i></i> <u>y</u>		
		2):56~	State:	77.	Zip: 7 Z	25	
		about MUIL'	۹	Title:	Co	~44~	
	Phone Number:	<u> </u>		_ fax Number:			
	24/hr Phone Number						
	US EPA ID No:	223		fic code			<del></del>
	State ID No:	<u> </u>		_SIC Code:			
	SECTION 2: Billing In	formation - 🔲 Sa	imo as Above				
		vironmenea)					
	Addmss: 223 McC	arty Road					
	City: Houston		State:	אַד	Zip:		77029
	Contact: Kevin Wi			_Thie:	Sales Represe		<del></del>
•	Phone Number:	713.675.7876		_Fax Number:	713.672.4530		
	SECTION S: General I	Description of the Was	<u>te</u>				
•	Name of Waste:	latex paint and wat					
	Detailed Description	of Process Generating 1	Næste:				
	Spilled latex paint flus	shed with water					
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	Does this material cor	ntain any total phenoli	c conspounds?	Tes	☑ No	1	
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	is the Waste subject t	to the benzene waste o	peration NESHAP	? <b>(40 CFR Pa</b> rt 6	1, Subpart FF)		Yes 🗹 No
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SECTION 4	k Physical and	Chemical Data							
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7137.No. 1110 PP. 5

Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
Omanics Subcate Solvent Cantaminated groundwater clean-up from non-petroleum sources    Contaminated groundwater clean-up from non-petroleum sources   Solvent-bearing westes   Off-specification organic product   Shill bottoms   Syproduct waste glycol   Wastewater from paint washes   Wastewater from adhesives and/or epoxles formulation   Wastewater from organic chemical product operations   Tank clean-out from organic, non-petroleum sources
(1) If the waste contains oil and grease of or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2) If the waste contains oil and grasse less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.  Cadmium: 0.2 mg/L  Chromium: 8.9 mg/L  Copper: 4,9 mg/L  Nickel; 3/5 mg/L
(3)  If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.  Metals Subcategory  Otts Subcategory  Organics Subcategory
SECTION 18 Additional Instructions
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.
SECTION 11: Generator's Certification  The information contained herein is based on.   I generator knowledge and/or.  I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or without onissions of composition properties exist and that all knewn or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.
Authorized Signature: 9-10-08
Printed Name/Title: VERNOON 18/15chick V.P.
CES USE ONLY (DO NOT WRITE IN THIS SPACE)
Compliance Officer: Party CTharac  Dete: 9-19-08 [Y Approved



### PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
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Too Low.
2. Contamination Limit (maximum limit before surchages apply):
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2. Curaharan Brisinar
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5. Treatment and Handling Protocol:
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6. Treated Wastewater Discharge Subcategory:
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☐ Subcategory A ☐ Subcategory B ☑ Subcategory C



### PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

/. Tests for Product Reco	vered/Recycled (if applicab	ole):	 
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8. Management for Produ	uct Recovered/Recycled (if	applicable)	

PAGE 02/07 CUSTOMER

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:1 PAINTS - STORE #0737 203 ANTOINE STREET JUSTON, TX 77055 H: (713)686-3976 FX (713)688-8295

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# **DEVFLEX** <sup>™</sup>4216HP

## **High Performance Waterborne Acrylic Semi-Gloss Enamel**

Cat. # 4216-XXXX

#### PRODUCT DESCRIPTION

Generic: Waterborne Acrylic

General Description: A premium quality, direct to metal acrylic semi-gloss enamel for high traffic interior-exterior areas of commercial, institutional, residential and industrial structures. Features a non-yellowing film with excellent durability.

Typical Uses: May be applied directly to interior or exterior steel and aluminum, and to properly prepared galvanized metal, wood or masonry surfaces.

#### SPECIFICATION DATA

Color: White, safety colors & custom colors Finish: Semi-Gloss, 60-70 units @ 60° Clean-up Solvent: Soap and water

Weight/Gallon: 10.4 lbs./gal. (1.25 kg/L) - varies with color

VOC: 1.87 lbs./gal. (225 g/L) Solids By Volume: 36% ± 2%

Theoretical Coverage at 1.0 Mil Dry: 577 sq. ft./gal. (15 m<sup>2</sup>/L) Practical Coverage: Apply at 138-368 sq. ft./gal. (3-9 m<sup>2</sup>/L). Actual coverage may vary depending on substrate and application

Recommended Film Thickness: 1.5-4.0 mils (38-100 microns) dry - 4- 11.6 mils (100-290 microns) wet.

Systems: Please consult the appropriate system guide, the particular job specification or your ICI Paints Representative for proper systems using this product. Systems must be selected considering the particular environment involved.

#### Dry Time (ASTM D 1640) @ 77°F (25°C) & 50% RH:

To touch - 1 hour To recoat - 24 hours

Substrate Temperature	50°F (10°C)	60°F (16°C)	77°F (25°C)
Minimum Recoat	36 Hours	30 Hours	24 Hours
Dry Hard	36 Hours	30 Hours	24 Hours
Maximum Recoat			
Self	No Limit	No Limit	No Limit

Ventilation, film thickness, humidity, thinning and other factors can influence the rate of dry

Warning: The above table provides general guidelines only. Always consult your ICI Paints Representative for appropriate recoat windows since the maximum aged recoat time of this product may be significantly shortened or lengthened by a variety of conditions, including, but not limited to humidity, surface temperature, and the use of additives or thinners. The above recoat windows may not apply if recoating with a product other than those listed above. If the maximum aged recoat window is exceeded, please consult your ICI Paints Representative for appropriate recommendations to enhance adhesion. Failure to observe these precautions may result in intercoat delamination.

Shelf Life: 1 year minimum - unopened

#### **FEATURES**

#### Advantages:

- Alkyd-like hardness and durability
- Excellent color retention
- High hiding
- Non-yellowing
- All purpose finish for multiple surfaces
- Excellent resistance to grease, oil and water
- · Excellent flow and leveling
- Resists peeling and chipping
- · Low odor and water clean-up
- Washable and scrubbable
- · Good abrasion resistance
- · Easy application brush, roll or spray
- · May be applied direct to steel and aluminum

Limitations of Use: Not recommended for large areas of exterior wood such as wood siding.



#### **PERFORMANCE DATA**

**PROPERTY** 

Abrasion Resistance Pencil Hardness Flexibility Impact Resistance Accelerated Weathering

Service Temperature Limit

Flame Spread Rating:

**TEST METHOD** 

ASTM D 4060 CS-17 wheels 1000g load, 300 cycles ASTM D 3363

ASTM D 522, Method B, 1/8" **ASTM D 2794** 

ASTM G23, QUV 1000 hrs

ASTM F 84

**RESULTS** 

40mg loss

No cracking or flaking 160 in-lbs.

Excellent gloss retention

200°F (93°C) in air

Class A (0-25) over non-combustible surfaces.

Read Label and Material Safety Data Sheet Prior to Use. See other cautions on last page. DSF1-0690

09800

#### **GENERAL SURFACE PREPARATION**

All surfaces must be sound, dry, clean, and free of oil, grease, wax, polish, dirt, mildew, form release agents, curing compounds, efflorescence, loose and flaking paint and other foreign substances.

New Surfaces: Steel and Aluminum -Best results are obtained over a surface abrasive blasted to commercial blast cleanliness (SSPC-SP6 or ISO-Sa2). Performance over hand or power tool cleaned surfaces is dependent on the degree of cleaning. Prime with this product or DEVFLEX™ 4020 primer. For maximum corrosion protection, prime with DEVGUARD™4160 or DEVGUARD 4360 primers depending on local VOC regulations. When using colors tinted with more than 2 oz /gal. of ICI Paints Colorants, a primer is recommended. When using as a DTM finish without a primer, a minimum of two coats is recommended for best corrosion resistance. Galvanized Metal- Prime with DEVRAN® 205 or DEVRAN 203 epoxy primers, DEVFLEX 4020 acrylic primer or DEVGUARD 4160 or DEVGUARD 4360 primers depending on local VOC regulations. Wood- Interior, set nails and fill holes with latex spackle. Sand smooth. Dust clean. Self-prime or prime with DEVFLEX 4020 primer. Do not use this product with lacquer undercoats. Exterior, spot prime pine knots with PREP& PRIME® HYDROSEALER® 6001 primer. Prime entire surface with PREP & PRIME HYDROSEALER 6001 primer, Drywall- Prime with DEVFLEX 4020 primer. Concrete, Plaster and Masonry- Cure at least 30days before painting, pH must be 10.0 or lower. Roughen slick poured or pre-cast concrete and remove sealers by chemical cleaning or abrasive blasting. Rinse thoroughly

with water and allow to dry. Remove loose aggregate. Prime interior concrete or plaster with this product or with DEVFLEX 4020 primer. Prime exterior masonry with PREP & PRIME HYDROSEALER 6001 primer. Fill concrete block with BLOXFIL® 4000 or PREP & PRIME 3010 fillers.

<u>Previously Painted Surfaces:</u> Remove oil or grease residue by washing. Rinse thoroughly with water and allow to dry. Dull glossy areas by light sanding. Remove sanding dust. Remove loose paint. Scrub heavy chalk areas and overhead areas such as eaves with soap and water. Remove all mildew by washing with a solution of 16 oz. (473 ml) liquid household bleach and two oz. (59 ml) non-ammoniated liquid detergent per gallon (3.785 L) of water. Rinse surfaces clean. Prime bare areas with primer specified under **NEW SURFACES**. Can be used self-primed over previously painted surfaces followed by a finish coat of this product.

WARNING! If you scrape, sand, or remove old paint, you may release lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Clean up carefully with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.

#### **DIRECTIONS FOR USE**

Tinting: Tint the appropriate base with ICI Paints Colorants

Spreading Rate: Apply at 138-368 sq. ft./gal. (3-9 m²/L) or 4- 11.6 mils (100-290 microns) wet (1.5-4.0 mils dry). Actual coverage may vary depending on substrate and application method. For best hiding, tint primers toward finish coat color.

Application: Mix thoroughly before use. May be applied by brush, roll or spray. No thinning required. Due to fast dry, brushing should be limited to small areas where a wet edge can be maintained. Rinse out brush in warm water periodically during extended brush application periods. If touch-up is required after the enamel

has set, wait until it has thoroughly dried. For airless spray, use a .015" tip. Adjust pressure as needed. Use two coats of this enamel for maximum durability and uniformity. Do not apply when surface or air temperature is below 50°F (10°C). Brushing and rolling may require multiple coats to achieve correct film thickness and/or hiding.

<u>Drying Time (ASTM D 1640)</u>: At 77°F (25°C) and 50% R.H., dries to touch in one hour and to recoat in 24 hours. Low temperature, high humidity, thick films or poor ventilation will increase these times.

Clean-up: Clean immediately with warm, soapy water.

#### **PRECAUTIONS**

WARNING! CAUSES EYE BURNS. HARMFUL IF INHALED. MAY CAUSE CENTRAL NERVOUS SYSTEM EFFECTS INCLUDING DIZZINESS, HEADACHE OR NAUSEA. CAUSES SKIN AND RESPIRATORY TRACT IRRITATION. MAY BE HARMFUL IF SWALLOWED. OVEREXPOSURE MAY CAUSE BLOOD, LIVER, KIDNEY, REPRODUCTIVE SYSTEM DAMAGE. WHEN TINTED, CONTAINS ETHYLENE GLYCOL WHICH CAN CAUSE SEVERE KIDNEY DAMAGE WHEN INGESTED AND HAS BEEN SHOWN TO CAUSE BIRTH DEFECTS IN LABORATORY ANIMALS. USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN. NOTICE: Products in this series contain solvents. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. For emergency information call (800) 545-2643. Note: These warnings encompass the product series. Prior to use, read and follow product-specific MSDS and label information. If sanding is done, wear a dust mask to avoid breathing of sanding dust. Do not breathe vapors or spray mist. Ensure fresh air entry during application and drying. Avoid contact with eyes and skin. If you experience eye watering, headaches, or dizziness, leave the area. If properly used, a respirator may offer additional protection. Obtain professional advice before using. Close container after each use. FIRST AID: In case of skin contact, wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin, then wash again with soap and water. Repeated applications may be needed. Remove contaminated clothing. For eye contact, flush immediately with large amounts of water, for at least 15 minutes. Obtain emergency medical treatment. If swallowed, obtain medical treatment immediately. If inhalation causes physical discomfort, remove to fresh air. If discomfort persists or any breathing difficulty occurs, get medical help. KEEP FROM FREEZING.

#### SHIPPING

Flash Point: None

Packaging: 1 gallon (3.785L)

5 gallons (18.925L)

Shipping Weight: 4 gallon case - 44 lbs. (20.0 kg)

5 gallon pail - 54 lbs. (24.5 kg)

4216HP (05/07) Ad Stock #68777E



Strongsville, Ohio U.S.A. 800-654-2616 www.devoecoatings.com LIMITATION OF LIABILITY: To the best of our knowledge, the technical data contained herein are true and accurate at the date of issuance but are subject to change without prior notice. We guarantee our product to conform to the specifications contained therein. WE MAKE NO OTHER WARRANTY OR GUARANTEE OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSE in Chaility, if any, is limited to replacement of the product or refund of the purchase price. LABOR OR COST OF LABOR AND OTHER CONSEQUENTIAL DAMAGES ARE HEREBY EXCLUDED.

EMERGENCY TELEPHONE NO. (800) 545-2643

# MATERIAL SAFETY DATA SHEET

prepared 08/07/07

#### HAZARDS IDENTIFICATION

(ANSI Section 3)

**Primary route(s) of exposure:** Inhalation, skin contact, eye contact, ingestion. Effects of overexposure:

Inhalation: Irritation of respiratory tract. Prolonged inhalation may lead to mucous membrane irritation, dizziness and/or lightheadedness, headache, nausea, chest pain, coughing, central nervous system depression, difficulty of breathing, bronchitis, severe lung irritation or damage.

**Skin contact:** Irritation of skin, Prolonged or repeated contact can cause dermatitis, allergic response. Possible sensitization to skin. Skin contact may result in dermal absorption of component(s) of this product which may cause headache, nausea, central nervous system depression.

Eye contact: Irritation of eyes. Prolonged or repeated contact can cause conjunctivitis, tearing of eyes, redness of eyes.

Ingestion: Ingestion may cause mouth and throat irritation, drowsiness, dizziness and/or lightheadedness, headache, uncoordination, nausea, vomiting, diarrhea, gastro-intestinal disturbances, abdominal pain, central nervous system depression, intoxication, abnormal blood pressure, liver damage, kidney damage, reproductive system damage.

Medical conditions aggravated by exposure: Eye, skin, respiratory disorders, asthma-like conditions.

#### FIRST-AID MEASURES

#### (ANSI Section 4)

Inhalation: Remove to fresh air. Restore and support continued breathing. Get emergency medical attention. Have trained person give oxygen if necessary. Get medical help for any breathing difficulty. Remove to fresh air if inhalation causes eye watering, headaches, dizziness, or other discomfort. Get medical attention if discomfort or irritation persists

Skin contact: Wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin. Repeated applications may be needed. Remove contaminated clothing. Wash contaminated clothing before re-use. If irritation occurs, consult a physician.

Eye contact: Flush immediately with large amounts of water, especially under lids for at least 15 minutes. If irritation or other effects persist, obtain medical treatment,

**Ingestion:** If swallowed, obtain medical treatment immediately.

#### FIRE-FIGHTING MEASURES

#### (ANSI Section 5)

Fire extinguishing media: Dry chemical or foam water fog. Carbon dioxide. Closed containers may explode when exposed to extreme heat or fire. Vapors are heavier than air and may travel long distances to a source of ignition and flash back. Vapors can form explosive mixtures in air at elevated temperatures. Closed containers may burst if exposed to extreme heat or fire. Dust explosion hazard. May decompose under fire conditions emitting irritant and/or toxic gases.

Fire fighting procedures: Water may be used to cool and protect exposed containers. Firefighters should use full protective clothing, eye protection, and self-contained breathing apparatus.

Hazardous decomposition or combustion products: Carbon monoxide, carbon dioxide, oxides of nitrogen, oxides of sulfur, toxic gases, acrylic monomers. Propionaldehyde

#### ACCIDENTAL RELEASE MEASURES

#### (ANSI Section 6)

Steps to be taken in case material is released or spilled: Comply with all applicable health and environmental regulations. Eliminate all sources of ignition. Ventilate area. Evacuate all unnecessary

personnel. Place collected material in proper container. Spilled material is extremely slippery. Complete personal protective equipment must be used during cleanup. Large spills - shut off leak if safe to do so. Dike and contain spill. Pump to storage or salvage vessels. Use absorbent to pick up excess residue. Keep salvageable material and rinse water out of sewers and water courses. Small spills - use absorbent to pick up residue and dispose of properly.

#### HANDLING AND STORAGE

(ANSI Section 7)

Handling and storage: Store below 100f (38c), Keep away from heat, sparks and open flame. Keep from freezing. Keep container tightly closed in a well-ventilated area.

Other precautions: Use only with adequate ventilation. Do not take internally. Keep out of reach of children. Avoid contact with skin and eyes, and breathing of vapors. Wash hands thoroughly after handling, especially before eating or smoking. Keep containers tightly closed and upright when not in use. Avoid conditions which result in formation of inhalable particles such as spraying or abrading (sanding) painted surfaces. If such conditions cannot be avoided, use appropriate respiratory protection as directed under exposure controls/personal protection. Empty containers may contain hazardous residues. Ground equipment when transferring to prevent accumulation of static charge.

#### **EXPOSURE CONTROLS/PERSONAL PROTECTION** (ANSI Section 8)

Respiratory protection: Control environmental concentrations below applicable exposure standards when using this material. When respiratory protection is determined to be necessary, use a NIOSH/MSHA (Canadian 294.4) Approved elastomeric sealing- surface facepiece respirator outfitted with organic vapor cartridges and paint spray (dust/mist) prefilters. Determine the proper level of protection by conducting appropriate air monitoring. Consult 29CFR1910.134 For selection of respirators (Canadian z94.4).

Ventilation: Provide dilution ventilation or local exhaust to prevent build-up of vapors.

Personal protective equipment: Eye wash, safety shower, safety glasses or goggles. Impervious gloves, impervious clothing, face shield, apron.

#### STABILITY AND REACTIVITY

(ANSI Section 10)

Under normal conditions: Stable see section 5 fire fighting measures

Materials to avoid: Oxidizers, acids, reducing agents, bases, halogens, alkalis, aluminum, peroxides, nitric acid, hydrofluoric acid, magnesium, caustics. Nitrates.

Conditions to avoid: Elevated temperatures, contact with oxidizing agent, freezing, sparks, open flame, ignition sources.

Hazardous polymerization: Will not occur

#### TOXICOLOGICAL INFORMATION

(ANSI Section 11)

Supplemental health information: Contains a chemical that may be absorbed through skin. Excessive inhalation of fumes may lead to metal fume fever characterized by a metallic taste in mouth, excessive thirst, coughing, weakness, fatigue, muscular pain, nausea, chills and fever. Notice - reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Contains iron oxide, repeated or prolonged exposure to iron oxide dust may cause siderosis, a benign pneumoconiosis. Other effects of overexposure may include toxicity to liver, kidney, lungs, blood, reproductive system.

The information contained herein is based on data available at the time of preparation of this data sheet which ICI Paints believes to be reliable. However, no warranty is expressed or implied regarding the accuracy of this data. ICI Paints shall not be responsible for the use of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and the health and safety of your employees and the users of this material. Complies with OSHA hazard communication standard 29CFR1910.1200.

EPAHO110001948

Carcinogenicity: In 2-year feed studies of c.I. Pigment red 3, there was some evidence of carcinogenic activity in male rats (adrenal gland - benign pheochromocytomas) and female rats (hepatocellular adenomas). There was also some evidence of carcinogenic activity in male mice (adenomas of renal cortex and thyroid gland), but no evidence in female mice. The international agency for research on cancer (IARC) has classified carbon black as possibly carcinogenic to humans (group 2b) based on sufficient evidence in animals and inadequate evidence in humans. In a lifetime inhalation study, exposure to 250 mg/m3 titanium dioxide resulted in the development of lung tumors in rats. These tumors occurred only at dust levels that overwhelmed the animals' lung clearance mechanisms and were different from common human lung tumors in both type and location. The relevance of these findings to humans is unknown but questionable. The international agency for research on cancer (IARC) has classified titanium dioxide as possibly carcinogenic to humans (group 2b) based on inadequate evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals. C.I. Pigment 5 showed weak hepatocarcinogenic potential in female rats and in male mice. In the female rats, the liver carcinogenicity was accompanied by hepatotoxicity.

Reproductive effects: No reproductive effects are anticipated

Mutagenicity: C.I. Pigment red was found to be mutagenic with and without metabolic activation in salmonella/microsome studies. In vivo tests and in vitro tests on mammalian cells were negative for mutagenicity.

**Teratogenicity:** Prolonged ingestion of diethylene glycol monomethyl ether has resulted in fetal development abnormalities in rats and effects on fertility in mice.

#### **ECOLOGICAL INFORMATION**

(ANSI Section 12)

No ecological testing has been done by ICI paints on this product as a whole.

#### DISPOSAL CONSIDERATIONS

(ANSI Section 13)

Waste disposal: Dispose in accordance with all applicable regulations. Avoid discharge to natural waters.

#### **REGULATORY INFORMATION**

(ANSI Section 15)

As of the date of this MSDS, all of the components in this product are listed (or are otherwise exempt from listing) on the TSCA inventory. This product has been classified in accordance with the hazard criteria of the CPR (controlled products regulations) and the MSDS contains all the information required by the CPR.

#### **Physical Data**

(ANSI Sections 1, 9, and 14)

Product Code	Description	Wt. / Gal.	VOC gr. / ltr.	% Volatile by Volume	Flash Point	Boiling Range	нміѕ	DOT, proper shipping name
4216-0100	devflex 4216hp high performance waterborne acrylic semi-gloss enamel white tint base	10.29	221.19	66.25	none	212-453	*210	paint ** protect from freezing **
4216-0200	devflex 4216hp high performance waterborne acrylic semi-gloss enamel pastel tint base	9.92	233.75	67.18	none	212-453	*210	paint ** protect from freezing **
1216-0300	devflex 4216hp high performance waterborne acrylic semi-gloss enamel intermediate tb	9.24	241.48	69.54	none	212-453	*210	paint ** protect from freezing **
216-0400	devflex 4216hp high performance waterbome acrylic semi-gloss enamel deep tint base	8.67	243.24	69.31	none	212-453	*210	paint ** protect from freezing **
216-0500	devflex 4216hp high performance waterborne acrylic semi-gloss enamel accent base	8.51	235.24	70.06	none	212-453	*210	paint ** protect from freezing **
216-1000	devflex 4216hp high performance waterborne acrylic semi-gloss enamel white high hiding	10.33	217.12	65.56	none	212-453	*210	paint ** protect from freezing **
216-6650	devflex 4216hp high performance waterbome acrylic semi-gloss enamel medium green	8.68	242.31	68.83	none	149-453	*210	paint ** protect from freezing **
216-7460	devflex 4216hp high performance waterborne acrylic semi-gloss enamel architectural brwn	8.91	232.00	67.34	none	212-453	*210	paint ** protect from freezing **
216-9000	devflex 4216hp high performance waterborne acrylic semi-gloss enamel safety red	8.59	222.58	65.51	none	149-453	*210	paint ** protect from freezing **
216-9200	devflex 4216hp high performance waterborne acrylic semi-gloss enamel safety orange	8.80	246.59	68.25	none	212-453	*310	paint ** protect from freezing **
216-9400	devflex 4216hp high performance waterborne acrylic semi-gloss enamel safety yellow	9.18	220.93	65.34	none	212-453	*310	paint ** protect from freezing **
216-9990	devflex 4216hp high performance waterborne acrylic semi-gloss enamel black	8.58	224.79	68.01	none	212-453	*210	paint ** protect from freezing **

### **Ingredients**

#### Product Codes with % by Weight (ANSI Section 2)

Chemical Name	Common Name	CAS. No.	4216-0100	4216-0200	4216-0300	4216-0400	4216-0500	4216-1000	4216-6650	4216-7460	4216-9000	4216-9200	4216-9400	4216-9990
ethanol, 2-(2-methoxyethoxy)-	diethylene glycol monomethyl ether	111-77-3	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5	1-5
ethanol, 2-(2-butoxyethoxy)-	diethylene glycol monobutyl ether	112-34-5	1-5	5-10	5-10	5-10	5-10	5-10	5-10	5-10	5-10	5-10	5-10	5-10
iron oxide	ferric oxide	1309-37-1							· · ·	1-5				
carbon black	carbon black	1333-86-4								1-5				1-5
titanium oxide	titanium dioxide	13463-67-7	20-30	10-20	10-20	1-5		20-30	.1-1.0	1-5		1-5	5-10	
butanamide, 2-((4-chloro-2- nitrophenyl)azo)- n-(2-methoxyphenyl)- 3-oxo-	c.i. pigment yellow 73	13515-40-7											5-10	

Form: 4216, Page 2 of 3, prepared 08/07/07

#### **Ingredients (Continued)**

#### Product Codes with % by Weight (ANSI Section 2)

Chemical Name	Common Name	CAS. No.	4216-0100	4216-0200	4216-0300	4216-0400	4216-0500	4216-1000	4216-6650	4216-7460	4216-9000	4216-9200	4216-9400	4216-9990
2-naphthalenol, 1-((4-methyl-2- nitrophenyl)azo)-	pigment red 3	2425-85-6									5-10			
2-naphthalenol, 1-((2,4-dinitrophenyl)azo)-	dinitroaniline orange	3468-63-1			****							1-5		
c.i. pigment yellow 42	yellow iron oxide	51274-00-1							1-5	1-5				
1,2-propanediol	propylene glycol	57-55-6						1	1-5			1-5		
butanamide, 2-((2-methoxy-4- nitrophenyl)azo) -n-(2-methoxyphenyl)- 3-oxo-	pigment yellow 74	6358-31-2							1-5			1-5		
water	water	7732-18-5	40-50	40-50	50-60	50-60	50-60	40-50	50-60	50-60	50-60	50-60	40-50	50-60
surfactant	surfactant	Sup. Conf.	T								1-5			
acrylic resin	acrylic resin	Sup. Conf.	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30	20-30	30-40
trade secret	trade secret	Sup. Conf.											1-5	
trade secret	trade secret	Sup. Conf.											1-5	

#### **Chemical Hazard Data**

(ANSI Sections 2, 8, 11, and 15)

			ACGIF	I-TLV		T	OSHA	-PEL		S.R.	T	62						
Common Name	CAS. No.	8-Hour TWA	STEL	C	S	8-Hour TWA	STEL	С	S	Std.	S2	23	CC	Н	M	N	T	0
diethylene glycol monomethyl ether	111-77-3	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	У	n	У	n	n	n	n
diethylene glycol monobutyl ether	112-34-5	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	у	n	у	n	n	n	n
ferric oxide	1309-37-1	5 mg/m3	not est.	not est.	not est.	5 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
carbon black	1333-86-4	3.5 mg/m3	not est.	not est.	not est.	3.5 mg/m3	not est.	not est.	not est.	not est.	n	n	$\overline{n}$	n	n	n	У	n
titanium dioxide	13463-67-7	10 mg/m3	not est.	not est.	not est.	10 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	У	У	n
c.i. pigment yellow 73	13515-40-7	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
pigment red 3	2425-85-6	10 mg/m3	not est.	not est.	not est.	15 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
dinitroaniline orange	3468-63-1	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	ηŢ	n	n	n	n	n
yellow iron oxide	51274-00-1	5 mg/m3	not est.	not est.	not est.	10 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
propylene glycol	57-55-6	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
pigment yellow 74	6358-31-2	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
surfactant	Sup. Conf.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
trade secret	Sup. Conf.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
trade secret	Sup. Conf.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n

Footnotes:

C=Ceiling - Concentration that should not be exceeded, even instantaneously.

S=Skin - Additional exposure, over and above airborn exposure, may result from skin absorption. n/a=not applicable not est=not established CC=CERCLA Chemical ppm=parts per million mg/m3=milligrams per cubic meter Sup Conf=Supplier Confidential S2=Sara Section 302 EHS S3=Sara Section 313 Chemical S.R.Std.=Supplier Recommended Standard H=Hazardous Air Pollutant, M=Marine Pollutant P=Pollutant, S=Severe Pollutant Carcinogenicity Listed By: N=NTP, I=IARC, O=OSHA, y=yes, n=no 

## Waste Pre-Acceptance/Approval Letter

Date 9/19/2008

Dear Bill Martin

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2998

**Expiration Date** 9/19/2010

Generator: Duco, Inc.

Address: 16661 Jacinto Port Blvd

Houston, TX 77015

Waste Information

Name of Waste: Grease

**TCEQ Waste Code #: 30104091** 

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Collected after it was used from the base of vertical helix assembly machine

Color: red-fresh; black-spent Odor: mild pH: neutral

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



5 B/AL



4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676 http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1:	Genera	ator li	nformati	<u>ion</u>												
Company:	Duco,	Inc													_	
Address:	16661	Jacin	to Port B	Blvd												
City:	Housto	on					State:	TX		_Zip:						77015
Contact:	Bill Ma	rtin						Title:								
Phone Num	ber:		281.24	9.2842				Fax Nui	nber:	281.457	6794					
24/hr Phon	e Numb	er:	281.24	9.2842	Cell Ph	one (2	4 hr): 713 560	0678								
US EPA ID N	lo:		TXD000	0807966												
State ID No	•				-		33041	SIC Cod	e:	3498						
CCCTION 3	D:111	£		[7]	C	46										
SECTION 2: Company:	Dilling	morr	nation -	M	<u>Same</u>	as AL	jove									
Address:																
City:					~ <del></del>		itate:			Zip:					~	
Contact:						—_	rate.	Title:		- rib.						
Phone Num	hor:							Fax Nur	nhar:	-						
FIIONE NUM	DEI.							. · ax ivu:	iibei.	******						
SECTION 3:	Genera	l Des	cription	of the V	/aste											
Name of Wa			Grease		-,											
<b>Detailed De</b>	scriptio	n of P	rocess G	Senerati	ng Was	te:										
collected aft	on it wo	C 1160	d from t	ha basa	of Vorti	ical U	aliv Assan	ablu Mac	hina							
Conected an	ei it wa	is use	u nom u	ile base	or vert	cai n	GUY H22GI	ibiy iviac	mne			<del></del>				
Physical Sta	te:		Liquid			] s	ludge			Powder						
		Y	Solid			] F	ilter Cake			Combina	tion					
4																
Calor:	Red (FF	RESH).	BLACK (S	PENT)				Odor:		mild						
Specific Gra	vity (wa	iter=1	<b>)</b> :				0.91			Density:	pa	8	lbs/g	al		
opcome ora	oney (too		.,,.	-						20.000			_ 1.25, 5	<b>~</b> 1		
Does this m	aterial	contai	in any to	tal phe	nolic co	mpou	ınds?		Yes	[	☑ No					
Does this m	aterial (	contai	in any pa	ara subs	tituted	phen	olic comp	ounds?			Yes	V	No			
1 - 11 - 111 - 1			<b>.</b>			. <b>.</b>	MECHAD?	Ino cro	n 6	1 C. L.	rr\		$\Box$	Vaa	<u></u>	Ma
Is the Waste	_											falla	الــا	Yes	<b>V</b>	No
Answer "Yes	i i you							e nom y						2022		2024
2812		2813		2816		19	2821		2822			2824		2833		2834
2835		2836		2841		42	2843		2844			2861		2865		2869
2873		2874		2876		79	2891		2892	289	13	2896		2899		2911
3312		4953		4959	95	11										
Layers:	V	Sing	le-phase	2	□ м	ulti-p	hase									
Container T	ype:	V	Drum	□ T	ote	□ T	ruck 🗌	Other (e	xplair	1)						
Frequency:	□ w	eekly	☐ Mo	onthly [	<b></b> Year	ly [	One-Ti	me								

		ous Waste" per mplete, sign and			Yozardous Constitu	1	No ached hereto		
If "Yes", Is Characterist Characterist	c for Toxic	D001 (Ignitab Metals: Organics: D012	□ D004 □ D010	D0	05 D00	□ D003 (Rea 06 □ D007		□ D009	•
		ed waste or mix		e?	Ye	es 🗸	] No		**************************************
40 CFR 261.3	3(e) or (f)?	duct or spill cle	י 🗆 י		y a "U" or "P" w No	vaste code ui	nder	andrews are specifically and a specifical property and a specifical pr	10 <sup></sup>
Texas State \	Vaste Code	Number:				30104091	<u>.</u>		
Proper US Do	OT Shipping	Name:	Non_RCRA/	Non DOT	regulated mate	rial_			
Class:	na	_UN/NA:	na	PG:	na	RQ:	na		
Flash	Point	pł	ı	Rea	ctive Sulfides	Reactive	Cyanides	Sol	ids
>20	00	neut	ral	0	mg/l	0	mg/l	100	%
Oil & G	rease	то	С	<b> </b>	Zinc	Co	pper	Nic	kel
>1500	mg/l	>40000	mg/l	0	mg/l	0	mg/l	0	mg/l

SECTION 4:	Physical and	Chemical Data
------------	--------------	---------------

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
Petroleum Distillate	50	%
Lithium Base Thickeners	25	%
Zinc alkyl dithiophosphate	25	%
		1
		<del> </del>
		<del> </del>
		<del> </del>
		<u> </u>

	Safety Relating of this wa	ated Data vaste requires the use of special protective equipment, please explain.	
	ments, notes	supporting Documents es, data and/or analysis attached to this form as part of the waste MSDS	
•		bilities tibilities (if any):	
Laboratory	analysis of the	's Knowledge Documentation he hazardous waste characteristics, listed below, WAS NOT PERFORMED ng generator knowledge:	
TCLP Metals	:	x	
TCLP Volatile	es:	X	
TCLP Semi-V	olatiles:	X	
Reactivity:		X	
Corrosivity:		X	
Ignitability:		x	
SECTION 9: \ Facilities)	Is this materia	rial a wastewater or wastewater sludge?  Complete this section.	Centralized Waste Treatment  NO
	PLEASE CHEC	CK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT P.	AGE.
	Metal finishin Chromate wa Air pollution of Spent anodizi Incineration w Waste liquid Cyanide-cont Waste acids a Cleaning, rins Vibratory deb	roplating baths and/or sludges ing rinse water and sludges vastes n control blow down water and sludges izing solutions n wastewaters	ations
Oils Subcated	Lubricants Coolants Contaminated Used petrolet Oil spill clean- Bilge water	nulsions or mixtures ed groundwater clean-up from petroleum sources eum products	

	interceptor s									
	Off-specifica									
	Undergroun									
	Tank clean-d	out from pe	troleum or	oily sources	S					
<u>L</u>	∐ Non-contact	<b>.</b> .								
<u>_</u>	Aqueous and				operations					
L_	] Wastewater	from oil be	earing paint	washes						
Organics Sub	<u>bcategory</u> : Su Landfill leach	-								
Ē		ed groundw	vater clean-	up from noi	n-petroleur	n sources				
	] Solvent-bear	-		•	•					
	] Off-specifica	tion organi	ic product							
	Still bottoms	;								
	Byproduct w	raste glycol								
	Wastewater	from paint	washes							
	Wastewater		-	•					*	
	Wastewater	-								
	Tank clean-o	ut from or	ganic, non-p	etroleum s	ources					
(1)	If the waste	contains oil	l and grease	at or in exc	cess of 100	mg/L, the was	te should	be classified	in the oils	subcategory.
(2)										
()	If the waste	contains oil	and grease	less than 1	.00 mg/L, ar	nd has any of	the polluta	ants listed be	low in cor	centrations in
						ssified in the i				
	С	admium: 0	).2 mg/L					• '		
	C	hromium:	8.9 mg/L							
	c	opper: 4.9	mg/L							
		ickel: 37.5	-							
			61 =							
(3)		ve any of th Metals Su Oils Subca	he values lis ibcategory	ted above,	_	nd does not ha should be clas				chromium, copper, y.
SECTION 10	Additional Ins	tructions								
Copper, Nicke		Grease, Cl	ES will send	offsite to a	commercia	l laboratory a	sample to			Imium, Chromium, entrations. This
SECTION 11:	: Generator'	s Certifica	tion							
	tion containe			V	generator	knowledge a	nd/or	☑ analyt	ical data.	
	tify that the a				-	_		,	cai data.	
-	ge and ability	-								
-	xist and that							nat the		
materials tes	sted are repr	esentative	of all mate		ribed by th med by bmarti					
		6			09.10 08:54:26	•			0/10	1/00
Authorized S	Signature:	(	<u> </u>	-05'00'				Date:	9/10	//06
Printed Nam	ne/Title:	Bill Mar	rtin, QHSI	E Manage	er/DUCO	Inc.			Web-is-	
CES USE ON	LY (DO NOT V	WRITE IN T	HIS SPACE	)						
		0 .	. (	21	1					
Compliance		bert	but 7	lan	an					
Date: 9-	19-08		Appr	oved <b>I</b>	R	ejected				
Approval Nu		299	8							
							•			
							1			



### PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
\$50/drum Trans \$70/hour + FSC
2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing:
4. Special Testing Requirements:
There can be no free liquids.
5. Treatment and Handling Protocol:
Class 1 states box
Solid
6. Treated Wastewater Discharge Subcategory:
Subcategory A Subcategory B Subcategory C



### PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if ap	plicable):	
8. Management for Product Recovered/Recyc	led (if applicable)	

# **Material Safety Data Sheet**



Page 1 of 8

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

#### TEXACO Starplex

PRODUCT NUMBER(S): CPS221927 CPS221935 SYNONYM: TEXACO Starplex 1

TEXACO Starplex 2

#### COMPANY IDENTIFICATION

#### EMERGENCY TELEPHONE NUMBERS

Texaco Lubricants Company 6001 Bollinger Canyon Road, T3325/B10 San Ramon, CA 94583 HEALTH (24 hr): (800)231-0623 or (510)231-0623 (International) TRANSPORTATION (24 hr): CHEMTREC (800)424-9300 or (703)527-3887 Emergency Information Centers are located in U.S.A. Int'l collect calls accepted

PRODUCT INFORMATION: MSDS Request: (800) 414-6737

Environmental, Safety & Health Info: (925) 842-5535

Product Information: (800) 582-3835

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

100.0 % TEXACO Starplex

CONTAINING

COMPONENTS AMOUNT LIMIT/QTY AGENCY/TYPE

LUBRICATING BASE OIL SEVERELY REFINED PETROLEUM DISTILLATE

> 50.00% 5 mg/m3 (mist) ACGIH TWA 10 mg/m3 (mist) ACGIH STEL

5 mg/m3 (mist) OSHA PEL

The BASE OIL may be a mixture of any of the following: CAS 64741884, CAS 64741895, CAS 64741964, CAS 64741975, CAS 64742014, CAS 64742525, CAS 64742536, CAS 64742547, CAS 64742558, CAS 64742570, CAS 64742627,

TEXACO Starplex

Page 2 of 8

CAS 64742650, or CAS 72623837.

LITHIUM BASE THICKENERS

< 25.00%

ADDITIVES INCLUDING THE FOLLOWING

ZINC ALKYL DITHIOPHOSPHATE

Chemical Name: PHOSPHORODITHIOIC ACID, 0, 0-DI-C1-14-ALKYL ESTERS, ZINC SALT CAS68649423 < 5.00% NONE NA

#### COMPOSITION COMMENT:

All the components of this material are on the Toxic Substances Control Act Chemical Substances Inventory.

This product fits the ACGIH definition for mineral oil mist. The ACGIH TLV is 5~mg/m3, the OSHA PEL is 5~mg/m3.

#### 3. HAZARDS IDENTIFICATION

#### IMMEDIATE HEALTH EFFECTS

#### EYE:

Not expected to cause prolonged or significant eye irritation.  $\ensuremath{\mathbf{SKIN}}\xspace$  :

Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

#### INGESTION:

Not expected to be harmful if swallowed.

#### INHALATION:

Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit.

#### 4. FIRST AID MEASURES

#### EYE:

No specific first aid measures are required because this material is not expected to cause eye irritation. As a precaution remove contact lenses, if worn, and flush eyes with water.

#### SKIN:

No specific first aid measures are required because this material is not

TEXACO Starplex Page 3 of 8

expected to be harmful if it contacts the skin. As a precaution, remove clothing and shoes if contaminated. Use a waterless hand cleaner, mineral oil, or petroleum jelly to remove the material. Then wash skin with soap and water. Wash or clean contaminated clothing and shoes before reuse.

INGESTION:

No specific first aid measures are required because this material is not expected to be harmful if swallowed. Do not induce vomiting. As a precaution, give the person a glass of water or milk to drink and get medical advice. Never give anything by mouth to an unconscious person.

INHALATION:

If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

#### NOTE TO PHYSICIANS:

In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

#### 5. FIRE FIGHTING MEASURES

#### FIRE CLASSIFICATION:

Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

#### FLAMMABLE PROPERTIES:

FLASH POINT: 388F (198C)

AUTOIGNITION: NDA

FLAMMABILITY LIMITS (% by volume in air): Lower: NA Upper: NA

EXTINGUISHING MEDIA:

CO2, Dry Chemical, Foam, Water Fog

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0.

#### FIRE FIGHTING INSTRUCTIONS:

This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

#### COMBUSTION PRODUCTS:

Normal combustion forms carbon dioxide and water vapor and may produce oxides of sulfur and phosphorus. Combustion may form oxides of zinc and H2S. Incomplete combustion can produce carbon monoxide.

#### 6. ACCIDENTAL RELEASE MEASURES

CHEMTREC EMERGENCY NUMBER (24 hr): (800)424-9300 or (703)527-3887 International Collect Calls Accepted

ACCIDENTAL RELEASE MEASURES:

Clean up spills immediately.

TEXACO Starplex Page 4 of 8

#### 7. HANDLING AND STORAGE

Do not store at temperatures above 120F (49C).

Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner, or properly disposed of. Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

#### ENGINEERING CONTROLS

No special ventilation is usually necessary.

#### PERSONAL PROTECTIVE EQUIPMENT

#### EYE/FACE PROTECTION:

No special eye protection is normally required.

#### SKIN PROTECTION:

No special protective clothing is normally necessary.

#### RESPIRATORY PROTECTION:

No respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the recommended mineral oil mist exposure limits. If not wear a NIOSH approved respirator that provides adequate protection from measured concentrations of this material. Use the following elements for air-purifying respirators: particulate.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION: Red grease.

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VAPOR PRESSURE:

<0.01 mm Hg at 100F

VAPOR DENSITY

(AIR=1):BOILING POINT: Heavier than air. >500F (>260C)

MELTING POINT:

270C (Dropping Point)

SOLUBILITY:

Soluble in hydrocarbon solvents; insoluble in water.

SPECIFIC GRAVITY: 0.91 @ 15.6C/15.6C

VISCOSITY:

15.5 cSt @ 100C Extracted Oil

#### 10. STABILITY AND REACTIVITY

#### HAZARDOUS DECOMPOSITION PRODUCTS:

H2S may be released at high temperatures.

CHEMICAL STABILITY:

Stable.

#### CONDITIONS TO AVOID:

No data available.

#### INCOMPATIBILITY WITH OTHER MATERIALS:

May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

#### HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

#### 11. TOXICOLOGICAL INFORMATION

#### EYE EFFECTS:

The eye irritation hazard is based on data for a similar material. SKIN EFFECTS:

The skin irritation hazard is based on data for a similar material. ACUTE ORAL EFFECTS:

The acute oral toxicity is based on data for a similar material. ACUTE INHALATION EFFECTS:

The acute respiratory toxicity is based on data for a similar material. ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

This product contains zinc alkyl dithiophosphates (ZDDPs). Several ZDDPs have been reported to have weak mutagenic activity in cultured mammalian cells but only at concentrations that were toxic to the test cells. We do not believe that there is any mutagenic risk to workers exposed to ZDDPs.

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#### 12. ECOLOGICAL INFORMATION

#### ECOTOXICITY:

The toxicity of this material to aquatic organisms has not been evaluated. Consequently, this material should be kept out of sewage and drainage systems and all bodies of water.

#### ENVIRONMENTAL FATE:

This material is not expected to be readily biodegradable.

#### 13. DISPOSAL CONSIDERATIONS

Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

#### 14. TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT SHIPPING NAME: NONE DOT HAZARD CLASS: NONE

DOT IDENTIFICATION NUMBER: NONE

DOT PACKING GROUP: N/A

ADDITIONAL INFO: Petroleum Lubricating Grease - Not hazardous by US DOT.

ADR/RID Hazard Class - Not applicable

#### 15. REGULATORY INFORMATION

SARA 311 CATEGORIES:

 Immediate (Acute) Health Effects: NO
 Delayed (Chronic) Health Effects: NO 3. Fire Hazard: 4. Sudden Release of Pressure Hazard: NO

5. Reactivity Hazard:

#### REGULATORY LISTS SEARCHED:

01=SARA 313 22=TSCA Sect 5(a)(2) 11≕NJ RTK 02=MASS RTK 12=CERCLA 302.4 23=TSCA Sect 6 13=MN RTK 03=NTP Carcinogen 24=TSCA Sect 12(b) 04=CA Prop 65-Carcin 14=ACGIH TWA 25=TSCA Sect 8(a) 05=CA Prop 65-Repro Tox 15=ACGIH STEL 26=TSCA Sect 8(d)

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06=IARC Group 1 16=ACGIH Calc TLV 27=TSCA Sect 4(a) 07=IARC Group 2A 17=OSHA PEL 28=Canadian WHMIS 08=IARC Group 2B 18=DOT Marine Pollutant 29=OSHA CEILING 09=SARA 302/304 19=Chevron TWA 30=Chevron STEL 10=PA RTK 20=EPA Carcinogen 31=OSHA STEL

The following components of this material are found on the regulatory lists indicated.

PHOSPHORODITHIOIC ACID, O, O-DI-C1-14-ALKYL ESTERS, ZINC SALTS is found on lists: 01,11, SEVERELY REFINED PETROLEUM DISTILLATE is found on lists: 14,15,17,

#### NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: Petroleum Oil (Grease)

#### WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

#### 16. OTHER INFORMATION

NFPA RATINGS: Health 1; Flammability 1; Reactivity 0; HMIS RATINGS: Health 1; Flammability 1; Reactivity 0;

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, \*- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

#### REVISION STATEMENT:

This is a new Material Safety Data Sheet.

#### ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value TWA - Time Weighted Average STEL - Short-term Exposure Limit TPQ - Threshold Planning Quantity RQ - Reportable Quantity PEL - Permissible Exposure Limit - Ceiling Limit CAS - Chemical Abstract Service Number () - Change Has Been Proposed A1-5 - Appendix A Categories

NDA - No Data Available NA - Not Applicable

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Toxicology and Health Risk Assessment Unit, CRTC, P.O. Box 1627, Richmond, CA 94804

\*

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may

MSDS Number: 008807 Revision Number: 0 Revision Date: 11/28/01

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be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

## **Material / Product Approval Letter**

Date 9/19/2008

Dear **Ray Dodson** 

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

**CES Profile #** 2999

Expiration Date 9/19/2010

**Producer:** City of Houston Public Works

2300 Federal Rd Address:

Houston, TX 77015

Material / Product Information

Name of Material / Product Unused acid alum

**Container Type:** 

Detailed Description of Process Generating or Producing the Material / Product:

pH: <1

Unused product spilled in a concrete containment of a water treatment facility Odor: none

Color: amber

**Physical State:** Incompatibilities: strong oxidizers, heat

Safety Related Data/Special Handling:

ppe for corrosives

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. Try bosed as a product. Market value 2 8.55/22.

2999

# CES Environmental Services, Inc.

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948
U.S. EPA ID No: TXD008950461 ISWR No: 30900

**SECTION 1: Material Producer Information** Company: City of Houston Public Works Address: 2300 Federal Rd Houston, TX 77015 City, State, Zip: Title: Contact: Ray Dodson Phone No: 713-628-2499 Fax No: 24/hr Phone: 713-628-2499 U.S. EPA I.D. No: State I.D. SIC Code: SECTION 2: Billing Information – 

Same as Above Altivia Corp. Company: Address: 1100 Louisiana, Suite 3160 Houston, TX 77002 City, State, Zip: Contact: Earl Title: Phone No: 713-658-9000 Fax No: 713-450-0779 SECTION 3: General Description of the Material / Product Name of Material / Product: Unused Acid Alum Detailed Description of Process Generating or Producing the Material / Product: Unused product spilled in a concrete containment of a water treatment facility. **Physical State:**  □ Liquid ☐ Sludge ☐ Powder ☐ Solid Filter Cake ☐ Combination Color: Amber Odor: None Specific Gravity (water=1): 1.29-1.33 Density: 11 lbs/gal Does this material contain any total phenolic compounds? Yes No Does this material contain any para substituted phenolic compounds? 

Yes No Layers: **⊠** Single-phase Multi-phase  $\boxtimes$ **Container Type:** Drum Tote **Truck** Other (explain) **Container Size:** 5000 ☐ Monthly Quarterly П Frequency: Weekly Yearly Other: Number of Units (containers): 1-5 Proper U.S. DOT Shipping Name: Corrosive Liquid, Nos PG: UN/NA: 1760 III RO: Class:

>200	pH <1	N/A	N/A		Solids 0-3%	
Oil&Grease	TOC	Zinc	Copper	Nickel	0-3%	
Namg/I	Namg/I	Namg/l	Namg/I	Namg/l		
SECTION 4: Ph	ysical and Chemica	al Data				
		ENISTABLE		Concentration		
	•	sists of the following mat		nges are accept		
Acid Alum (See	MSDS Sheets)		100		%	
		<u></u>				
		<u> </u>				
SECTION 6: At	tached Supporting	Documents				
List all document MSDS Sheets SECTION 7: Inc	compatibilities ompatibilities (if an	or analysis attached to tl	his form as part of the	material / prod	luct profile.	
List all document MSDS Sheets  SECTION 7: Incomplete Please list all incomplete Strong oxidizers, 1	ts, notes, data, and compatibilities ompatibilities (if an	or analysis attached to the	his form as part of the	material / prod	luct profile.	
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Approved

Rejected

Technical Manager:

Approval Number:



#### PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	.70/gal plus Trans
2.	Contamination Limits (maximum limit before surcharges apply):
	Flash or very high metals
3.	Surcharge Pricing:
	None
4.	Special Testing Requirements:
	PH, Metals, TOC, Flash; Use for treatment in waste water a calculate the Volume that would be weeded to Flor a most water tarkot mashe material.
5.	Treatment and Handling Protocol:
	Neutralize in waste water treatment process NO II treated in unste mater this will create
	a sladge. Try to sell as a product.
6. 	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



### PROCESS FACILITY INFORMATION (CES USE ONLY!!)

/.	Tests for Product Recovered/Recycled (II applicable):
	Vest to see if czn be used as coagulant in water treatment process
8.	Management for Product Recovered/Recycled (if applicable);
	Use in CES water treatment
	OSE III CES Water Freudricht



### **CES SAMPLE EVALUATION FORM**

Sample ID #	Date:	·		
CES Sales Represen	itative:			
Generator Name and Location:  Ultimate Objective for Performing Analysis:  Provide a Detailed Description of the Process Generating the Waste, Material, or Product:  Provide a detailed Composition to the best of your knowledge: Component / Approximate Percentage or PPM:				
¥ Y		<del></del>		
Customer Name:				
Requested Turnaround / Completion Date:    Customer Name:				
	Provide a Detailed Description	of the Process Generating the Waste	. Material or Products	
Provide a detailed Compositio	n to the best of your knowledge:			
Component / Approximate Per	rcentage or PPM:	and the second of the second o		
//		/·/		
/,/				
/,/,/,/				
/				
Internal Anglesia to be Donform	and on Westernstan/Shudge and Other	<b>XX</b> /~4/~13		
	Oil and Cross (water phase)	рп ТОС		
		Centrituge Test		
Off-site Lah Analysis (List)				
***Note: Must have an approx	yed P.O. for any external lab analysis	***		
1 total must have an appro-	ou 1.0. 101 any external no analysis			
Internal Analysis to be Perfori	med on Hydrocarbons or other Orga	He-Chemicals:		
Ash				
Specific Gravity				
Flash	CES Fuel Suitability	Hydro-scout		
Chlor-d-tect				
Water by Distillation	Water Extractability			
Other Internal Analysis (List)				
Off-site Lab Analysis (List)				
***Note: Must have an approv	ved P.O. for any external lab analysis	***		
Internal Analysis to be Perfort	med on Spent Caustic:			
•	Specific Gravity	Sulfides		
Percent Sodium Hydroxide	Chlorides	Sodium		
Percent Solids by Centrifuge	Chlorides Oil by Centrifuge	TOC		
	List)			
***Note: Must have an annua	ved P.O. for any external lab analysis	***		



# **MATERIAL SAFETY DATA SHEET**

#### **Acid Alum**

ALTIVIA 24 Hour Emergency Phone Number: 713-636-3189 Transportation Emergencies CHEMTREC: 800-424-9300

#### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:

Acid Alum

**CHEMICAL NAME/ FAMILY:** 

Metal Salts/ Coagulant

TRADE NAMES/ SYNONYMS:

AQUALUM™; Acidified Aluminum Sulfate Solution; Sulfuric Acid,

Aluminum Salt

**MOLECULAR FORMULA:** 

Al<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>.14H<sub>2</sub>O/H<sub>2</sub>SO<sub>4</sub>

**MANUFACTURER:** 

ALTIVIA, 1100 Louisiana, Suite 3160, Houston, TX 77002

#### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

**CHEMICAL NAME** 

**CAS NUMBER** 

% RANGE

Aluminum Sulfate

10043-01-3 (anhydrous)

32-38%

Sulfuric Acid\*

Water

7664-93-9 7732-18-5 6.5-7.5% Balance

(SARA) and 40 CFR Part 372.

\* Denotes chemical subject to reporting requirements of Section 313 of Title III of the 1986 Superfund Amendments and Reauthorization Act

#### **EMERGENCY OVERVIEW**

DANGER! Causes skin and eye irritation or burns. Do not get in eyes, on skin or on clothing. May be harmful if inhaled, do not breathe mist. May be fatal if swallowed. Not flammable but may release toxic vapors if decomposed in a fire.

#### POTENTIAL HEALTH EFFECTS

May cause corneal burns or severe irritation in eyes.

Fumes or mists may cause irritation or burns to skin.

#### INGESTION

Oral and gastrointestinal irritation. Local tissue damage. Nausea, vomiting, diarrhea, and gastrointestinal bleeding may follow. Can be fatal if swallowed.

Prepared: 12/13/2005

1/8

Control Number: A 2108

**SECTION 3: HAZARDS IDENTIFICATION** 



#### INHALATION

Irritation of the respiratory system.

#### SIGNS AND SYMPTOMS OF EXPOSURE

Irritation and or burns to exposed tissue, respiratory distress, nausea, vomiting or diarrhea.

#### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Acute or chronic respiratory diseases. Dermatitis.

#### **EFFECTS FOLLOWING REPEATED EXPOSURE**

Long term exposure if inhaled may cause bronchial irritation, coughing, and bronchial pneumonia. Prolonged contact with eyes or skin may result in corneal burns, skin sensitization and burns. If ingested large doses may result in kidney/ liver and blood damage.

#### SECTION 4: FIRST AID MEASURES

#### EYES

Hold eye open and rinse slowly and gently for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Get medical attention for irritation or any other symptom.

#### SKIN

Take off contaminated clothing and shoes. Rinse skin immediately with plenty of water for 15-20 minutes. Get medical attention for irritation or burns. Wash clothing and thoroughly clean shoes before reuse.

#### INGESTION

Call a polson control center or doctor for immediate advice. Have person drink a glass of water immediately if able to swallow. <u>Do not induce vomiting</u> unless directed to do so by medical personnel. Do not give anything by mouth to an unconscious person.

#### INHALATION

Remove person from exposure to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration (CPR). If individual is breathing, but with difficulty, get immediate medical attention.

#### **NOTES TO PHYSICIAN**

All treatment should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Aluminum soluble salts may cause gastroenteritis if ingested. Treatment includes the use of demulcents.

See Section 11 for Toxicological Information.

#### SECTION 5: FIRE FIGHTING MEASURES

#### **FLAMMABLE PROPERTIES**

**FLASH POINT** 

**AUTOIGNITION TEMPERATURE** 

Not Applicable

Not Applicable

**FLAMABLE PROPERTIES** 

FLAMMABLE LIMITS IN AIR (% BY VOLUME)
Not Applicable

Will not burn

#### **EXTINGUISHING MEDIA**

Choose extinguishing media suitable for surrounding materials.

Prepared: 12/13/2005 2/8 Control Number: A 2108



#### **HAZARDOUS COMBUSTION PRODUCTS**

Thermal decomposition may release toxic and/ or hazardous gases such as oxides of sulfur.

#### **FIRE FIGHTING INSTRUCTIONS**

Use NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing if involved in a fire. Approach fire from upwind to avoid hazardous vapors and toxic decomposition products. Move container from fire area if it can be done without risk. Water spray may be ineffective on fire but can protect fire-fighters and cool closed containers. Do not release runoff from fire control methods to sewers or waterways. Dike area to prevent runoff and water source contamination.

#### SECTION 6: ACCIDENTAL RELEASE MEASURES

#### WATER SPILL

Prevent additional discharge of material, if possible to do so without hazard.

#### **LAND SPILL**

Prevent additional discharge of material, if possible to do so without hazard. For small spills implement cleanup procedures; for large spills implement cleanup procedures and, if in public area, advise authorities.

#### **GENERAL PROCEDURES**

**No smoking in spill areas.** Isolate spill area and deny entry to unnecessary or unprotected personnel. Remove all sources of ignition, such as flames, hot glowing surfaces or electric arcs. Stop source of spill as soon as possible and notify appropriate personnel. Cleanup personnel must wear proper protective equipment (refer to Section 8). Decontaminate all clothing. Notify all downstream water users of possible contamination.

Create a dike or trench to contain all liquid material. Acid Alum can be carefully neutralized with Soda Ash or Lime. Spill materials may also be absorbed using clay, soil or nonflammable commercial absorbents. Do not place spill materials back in their original container. Containerize and label all spill materials properly.

#### **RELEASE NOTES**

Notify the National Response Center (800/424/8802) of uncontained releases to the environment in excess of the Reportable Quantity (RQ). See Section 15, Regulatory Information. Recycle or dispose of recovered material in accordance with all federal, state, and local, regulations.

For all transportation accidents, call CHEMTREC at 800/424-9300.

#### SECTION 7: HANDLING AND STORAGE

#### **HANDLING**

Do not get in eyes, or on skin, or clothing. Do not taste or swallow. Avoid breathing mists or furnes. Do not handle with bare hands. Carefully monitor handling, use and storage to avoid spills and leaks. Follow protective controls set forth in Section 8 when handling this product. **Do not eat, drink, or smoke in work area.** Wash hands prior to eating, drinking, or using restroom.

#### STORAGE

#### **STORAGE CONDITIONS**

Stainless steel or fiberglass tanks are recommended. Do not put concentrate or dilutions of concentrate on food or drink containers. Store in closed, properly labeled tanks or containers. Do not remove or deface labels or tags. Store in a cool, well ventilated place away heat sources direct sunlight and incompatible materials. Keep drums upright. Do not reuse empty containers without commercial cleaning or reconditioning.

Prepared: 12/13/2005 3/8 Control Number; A 2108



#### STORAGE TEMPERATURE

Do not allow product to freeze. Do not store above 49°C (120°F).

#### SECTION 8: EXPOSURE CONTROLS PERSONAL PROTECTION

#### **ENGINEERING CONTROLS**

#### **VENTILATION**

Local exhaust ventilation is recommended if vapors, mists or aerosols are generated. Otherwise, use general exhaust ventilation.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### **EYE AND FACE PROTECTION**

Wear chemical goggles. A face shield should be worn in addition to goggles where splashing or spraying is possible.

#### SKIN PROTECTION

Wear chemical resistant clothing. Neoprene gloves, boots and apron or slicker suit.

#### RESPIRATORY PROTECTION

If airborne exposures exceed 1.0 mg/m³, a negative pressure air-purifying respirator is recommended. Cartridges must be NIOSH/MSHA approved against dusts and mists having TWA than 0.05 mg/m³.

#### **GENERAL**

Safety shower and eye wash station must be provided in the immediate work area. Protective equipment and clothing should be selected, used, and maintained according to applicable standards and regulations. For further information, contact the clothing or equipment manufacturer.

#### **EXPOSURE GUIDELINES**

Component Data:

Aluminum Sulfate (10043-01-3)

PEL (OSHA): 2.0 mg/m³ soluble salts as Al TLV (ACGIH): 2.0 mg/m³ soluble salts as Al

Component Data:

Sulfuric Acid (7664-93-9)

PEL (OSHA): 1.0mg/m<sup>3</sup>, 8 Hr. TWA

TLV (ACGIH): 1.0 mg/m3, 8 Hr. TWA A2 (Sulfuric acid contained in strong inorganic acid

nists)

Prepared: 12/13/2005 4/8 Control Number: A 2108



#### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**CHEMICAL FORMULA** 

Al<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>.14H<sub>2</sub>O/H<sub>2</sub>SO<sub>4</sub>

**MOLECULAR WEIGHT** 

Mixture

**APPEARANCE** 

Colorless to amber liquid

ODOR

None

pH @ 25 ℃

<1

VAPOR PRESSURE VOLATILES, % BY VOLUME Not Established
Not Established

POLING PONT

Not Established

BOILING POINT
CRYSTALLIZATION POINT

Not Established

SOLUBILITY IN WATER

Complete

**SPECIFIC GRAVITY** 

1,29-1,32 @ 25°C (77°F)

DENSITY

10.75-11.00 lbs./gal @ 25℃ (77°F)

VISCOSITY

Not Established

#### SECTION 10: STABILITY AND REACTIVITY

#### **CHEMICAL STABILITY**

Stable

#### **CONDITIONS TO AVOID**

Heat

#### INCOMPATIBILITY WITH OTHER MATERIALS

Strong oxidizers such as permanganate, sodium chlorite, chromates and peroxides. Corrosive to some metals.

#### **HAZARDOUS DECOMPOSITION PRODUCTS**

Aluminum oxides. Toxic and corrosive oxides of sulfur may be formed when heated to decomposition. At decomposition temperatures of 650°C (1200°F) and above, the sulfur trioxide formed is an oxidizing agent and may cause a combustion reaction.

#### HAZARDOUS POLYMERIZATION

Will not occur.

#### SECTION 11: TOXICOLOGICAL INFORMATION

#### ANIMAL TOXICOLOGY

#### EYE

May cause corneal burns or severe irritation in eyes.

#### SKIN

Furnes or mists may cause irritation or burns to skin.

#### **ACUTE ORAL EFFECTS**

Component Data:

Aluminum Sulfate (10043-01-3) LD<sub>50</sub> (oral, mouse) > 5,000 mg/kg

Aluminum Sulfate (10043-01-3) LD<sub>50</sub> (oral, rat): 1930 mg/kg

Component Data:

Sulfuric Acid (7664-93-9)  $LD_{50}$  is > 2,140 mg/kg

Prepared: 12/13/2005

5/8

Control Number: A 2108



#### **ACUTE INHALATION EFFECTS**

Component Data:

Sulfuric Acid (7664-93-9) 8 hour, LC<sub>50</sub> (guinea pigs) 30 mg/m<sup>3</sup>.

#### EFFECTS FOLLOWING PROLONGED OR REPEATED EXPOSURE

No available data for product.

#### CARCINOGENICITY

This product (or any component at a concentration of 0.1% or greater) is not listed by NTP, IARC, OSHA, EPA, or any other authority as a carcinogen.

#### MUTAGENICITY

Component Data: Aluminum Sulfate (10043-01-3), investigated as a mutagen.

#### REPRODUCTIVE/DEVELOPMENTAL TOXICITY

No available data for product.

### SECTION 12: ECOLOGICAL INFORMATION

#### **GENERAL COMMENT**

No available data for product.

#### **AQUATIC TOXICITY**

Component Data:

Sulfuric Acid (7664-93-9) Slightly to moderately toxic.

96 hour LC<sub>50</sub> - Bluegill sunfish: 10.5 ppm 48 hour TLm - Flounder: 100-300 ppm

#### SECTION 13: DISPOSAL CONSIDERATIONS

#### SPILL RESIDUES

Processing, use or contamination of this product may change the waste management options. All disposals of this material must be done in accordance with Federal, state and local regulations. Waste characterization and compliance with disposal regulations are the responsibilities of the waste generator.

#### SECTION 14: TRANSPORT INFORMATION

THIS MATERIAL IS HAZARDOUS AS DEFINED BY 49 CFR 172.01 BY THE U.S DEPARTMENT OF TRANSPORTATION.

**DOT IDENTIFICATION NO.: UN 1760** 

DOT SHIPPING DESCRIPTION (49 CFR 172.101): Corrosive liquid, N.O.S (Contains Aluminum Sulfate)

**PACKAGING GROUP: III** 

PLACARD REQUIRED: Corrosive, 1760, Class 8

LABEL REQUIRED: Corrosive, Class 8

Label as required by EPA and by OSHA Hazard Communication Standard, and any applicable state and local regulations.

**EMERGENCY RESPONSE GUIDE NUMBER: 154** 

Prepared: 12/13/2005 6/8 Control Number: A 2108



#### SECTION 15: REGULATORY INFORMATION

#### **U S FEDERAL REGULATIONS**

#### **CERCLA REPORTABLE QUANTITY (RQ)**

Ingredient

CAS NO.

RQ

Aluminum Sulfate

10043-01-3 (anhydrous)

5,000 lbs.

Sulfuric Acid

7664-93-9

1,000 lbs.

#### TSCA (TOXIC SUBSTANCES CONTROL ACT)

All components of this product are listed on the TSCA Inventory or are exempt from TSCA Inventory requirements.

#### SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) TITLE III

#### SARA SECTION 302 (EXTREMELY HAZARDOUS SUBSTANCES (40 CFR 302.4):

Ingredient

CAS NO.

RQ

Sulfuric Acid

7664-93-9

1,000 lbs.

#### SARA SECTION 311/312 HAZARD CATEGORIES (40 CFR 370.2):

Fire Hazard

No

Reactivity Hazard

Nο

Release of Pressure

No

Acute Health Hazard Chronic Health Hazard Ye<sub>\$</sub> No

#### SARA SECTION 313 (40 CFR 372.65):

Components identified with an asterisk (\*) in Section 2 are subject to the reporting requirements of Section 313 of Title III of the 1986 Superfund Amendments and Reauthorization Act (SARA) and 40 CFR Part 372.

#### INTERNATIONAL REGULATIONS

#### CANADA

#### CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA)

This product, or its components, are listed on or are exempt from the Canadian Domestic Substance List (DSL).

#### SECTION 16: OTHER INFORMATION

NFPA RATI	NGS
HEALTH	3
FLAMMABILITY	0
INSTABILITY	0

HMIS CODES								
HEALTH	3							
FLAMMABILITY	0							
REACTIVITY	0	- 10						
PROTECTION	С							

#### **RATING NOTES**

Hazardous Materials Identification: 4 = Severe, 3 = Serious, 2 = Moderate, 1 = Slight, 0 = Minimal.

Prepared: 12/13/2005

7/8

Control Number: A 2108



Emergency Information: For Any Other Information Contact:

Call toll free 24 hours a day: 713-636-3189 ALTIVIA, Technical Marketing, 1100 Louisiana, Suite

3160, Houston, TX 77002

Рһопе: 713-658-9000

8 AM - 5 PM CST, Monday through Friday

Revisions

9/27/2004: This MSDS conforms to ANSI Standard Z400.1-1998.

12/21/2004: Update to DOT shipping name.

12/13/2005: Update to Emergency Response telephone number. Minor edits.

Disclaimer of Warranty:

The information provided in this Material Safety Data Sheet has been obtained from sources believed to be reliable. ALTIVIA provides no warranties, either expressed or Implied and assumes no responsibility for the accuracy or completeness of the data contained herein. This information is offered for your information, consideration, and investigation. You should satisfy yourself that you have all current data relevant to your particular use. ALTIVIA knows of no medical condition, other than those noted on this material safety data sheet, which are generally recognized as being aggravated by exposure to this product.

17-25,000 gals
170, foot
150 Foot

Sulf Ded Ser And Market Ser Land Ser La

ray dod son a 6 2 yahor com





## **Waste Pre-Acceptance/Approval Letter**

Date 9/22/2008

Dear Mike McCauly

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # -3000

**Expiration Date** 9/22/2010

**Generator:** Packless Industries Address: 8401 Imperial Drive

Waco, TX 76702

Waste Information

Name of Waste: Recyclable oily water

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Oily water from metal fabrication facility

Odor: oily

Color: light brown

**Physical State:** 

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

**pH**: 6

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



Slannon

4904 Griggs Road, Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TXDØ8950461 ISWR Number: 30900

<b>SECTION 1:</b>	Genera	ator l	<u>nformati</u>	<u>on</u>											
Company:	Texas Copper Division of Packless Industries														
Address:	8401 Imperial Drive														
City:	Waco State:						TX		Zip:					-	76712
Contact:	Chris Milnes						Title:		Plant Ma	nager					
Phone Num				x 252		Fax Nur	nher:					-			
24/hr Phon		er:	<del></del>	66-7700 E	. 202		_''		(23 1) 000	,,,,,,					
US EPA ID N			N/A	70 7700			<del>-</del>								
State ID No				G(2051)			SIC Cod								3585
State ID NO	•		TACLSQ	0(2031)			_ 310 000	<b>c.</b>							3363
CECTION 2.	Dillina	l-6		□ .		<b>A b</b> =									
SECTION 2:				_ ≥	ame as	Above									
Company:															
Address:	PO Box	2068	58												
City:	Waco					_State:	TX		_Zip:					7	76702
Contact:	Don H	<u>ull</u>					Title:		<u>Purchase</u>				_		
Phone Num	ber:		(254) 66	6-7700			_ Fax Nun	nber:	(254) 666	5-7893					
<b>SECTION 3:</b>	Genera	<u>l Des</u>	cription	<u>of the Wa</u>	<u>ste</u>										
Name of Wa	aste:		Recycle	able Oily \	Nater										
<b>Detailed De</b>	scriptio	n of F	rocess G	enerating	g Waste										
	-			_	-										
Oily water f	rom me	tal fa	brication	facility											
			-				<del>- ,,</del>								
Physical Sta	ite:	v	Liquid		П	Sludge			Powder						
,		$\exists$	Solid Filter Cake					Combination							
			30.1.4		Ш	race car			Combina						
Color:	Light B	rown					Odor:		Oil Wate	r					
COIOI.	Light b	IOWII				-	Ouoi.		Oil Wate						
Smaaifia Cua		- <b>-</b>	11.			0.0	0		Danaituu		0.1	h - /	-1		
Specific Gra	ivity (wa	ater=.	r):			0.9	<u>8</u>		Density:		8 1	bs/ga	31		
							_		_	٦					
Does this m	aterial	conta	in any to	ital pheno	lic comp	ounds?		Yes	; <u>L</u>	_ No					
									_						
Does this m	aterial	conta	in any pa	ara substit	tuted ph	enolic con	npounds?			Yes	✓ 1	No			
Is the Waste	e subjec	t to t	he benze	ene waste	operati	on NESHA	P? (40 CFR	Part (	61, Subpa	rt FF)			Yes	$\checkmark$	No
Answer "Yes	s" if you	r was	te contai	ins benzer	ne <b>AND</b> if	f the SIC co	de from y	our fa	cility is on	e of the	follow	ing:			
2812		2813		2816	2819	282	1	2822	282	23	2824		2833		2834
2835		2836		2841	2842	284	3	2844	285	1	2861		2865		2869
2873		2874		2876	2879	289	1	2892	289	3	2896		2899		2911
3312		4953		4959	9511										
0011		.550		1005	3311										
Layers:		Sing	gle-phase	· [	] Mult	i-phase									
Container T	уре:		Drum	☐ Tot	ie 🗸	Truck [	Other (	explai	n)						
Frequency: Quantity:		-	□ Мо	nthly 🗹	Yearly	☐ One-	Time								

Is this a USEPA "Hazardous Waste" per 40CFR 261.3?  If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto									
· · · · · · · · · · · · · · · · · · ·	If "Yes", Is it:         □ D001 (Ignitable)         □ D002 (Corrosive)         □ D003 (Reactive)           Characteristic for Toxic Metals:         □ D004         □ D005         □ D006         □ D007         □ D008         □ D009           □ D010         □ D011								
Characteristic for Toxic (	Organics: D012	thru <b>D043</b> (	please list all	that apply)					
	Is this an "F" or "K" Listed waste or mixed with one?								
Is this a commercial products 40 CFR 261.33(e) or (f)? If "Yes", then please li	•	Y		ı <b>"U" or "P" w</b> No	raste code u	nder	<u>-</u>		
Texas State Waste Code	Number:		IXCESQ205	- Rec	1cle				
Proper US DOT Shipping	Name:	Non RCRA/	Non DOT Re	gulated Mate	rial				
Class: N/A	_UN/NA:	N/A	PG:	N/A	RQ:			-	
Flash Point	рН		Reactiv	ve Sulfides	Reactive	Cyanides	Sol	ids	
> 200 F	6		N/A	mg/l	N/A	mg/l	0-2	%	
Oil & Grease	TO	3		Zinc	Cop	per	Nic	kel	
12-7/00 mg/l	0	mg/l	.43	mg/l	.440	mg/l	.645	mg/l	
SECTION 4: Physical and	SECTION 4: Physical and Chemical Data								

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
Oil	0-15	%
Water	85-100	%
Solids	0-2	%
		<del></del>
		<del></del>

	ling of this wa		of special protective equi	pment, please ex	plain.	
	uments, notes	pporting Document , data and/or analys CES Report	s is attached to this form a	s part of the wast	e	
	: Incompatibi	lities bilities (if any):				
Laboratory	analysis of th	Knowledge Docume e hazardous waste c g generator knowled	haracteristics, listed belo	w,WAS NOT PERF	ORMED	
TCLP Metal	ls:	Х				
TCLP Volati	iles:	Х				
TCLP Semi-	Volatiles:	X			*******	
Reactivity:		Х				
Corrosivity:	:	X				
Ignitability:		X				
SECTION 9: Facilities)	Is this materi	al a wastewater or wa omplete this section.	stewater sludge?		✓ YES	r Centralized Waste Treatment  NO
	PLEASE CHEC	K THE APPROPRIATE E	OX. IF NO APPROPRIATE C	ATEGORY, GO TO T	HE NEXT I	PAGE.
	Metal finishir Chromate wa Air pollution Spent anodizi Incineration w Waste liquid Cyanide-cont Waste acids a Cleaning, rins	plating baths and/or s ag rinse water and slud stes control blow down wa ing solutions vastewaters mercury aining wastes greater and bases with or with ing, and surface preparations	iges ter and sludges than 136 mg/l		nating ope	erations
	Lubricants Coolants Contaminated Used petroled Oil spill clean Bilge water	ulsions or mixtures d groundwater clean-u um products	ip from petroleum sources			

	Interceptor wastes	
	Off-specification fuels	
	Underground storage remediation waste	
	Tank clean-out from petroleum or oily sources	
	Non-contact used glycols	
Dager	Aqueous and oil mixtures from parts cleaning operations	
Poetat. 🗆	Wastewater from oil bearing paint washes	
Organics Su	Subpart C	
	Landfill leachate	
<u></u>	Contaminated groundwater clean-up from non-petroleum sources	
H	Solvent-bearing wastes	
H	Off-specification organic product Still bottoms	
H	Wastewater from paint washes	
H	Wastewater from adhesives and/or epoxies formulation	
H	Wastewater from organic chemical product operations	
H	Tank clean-out from organic, non-petroleum sources	
_	- Tank de al. 1911 o Garine, non pour de al.	
(1)		
	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.	
	• • • • • • • • • • • • • • • • • • • •	
(2)		
	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in	
	excess of the values listed below, the waste should be classified in the metals subcategory.	
	Cadmium: 0.2 mg/L	
	Chromium: 8.9 mg/L	
	Copper: 4.9 mg/L	
	Nickel: 37.5 mg/L	
(3)		
	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, coppe	r,
	or nickel above any of the values listed above, the waste should be classified in the organics subcategory.	
	☐ Metals Subcategory	
	☐ Oils Subcategory	
	☐ Organics Subcategory	
<b>SECTION 10</b>	O Additional Instructions	
If you cannot	t determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium,	
	kel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This	1
will be prior to	to acceptance. The generator will be responsible for the cost of the analysis.	
	11: Generator's Certification	
The informa	ation contained herein is based on 🛮 🖊 generator knowledge and🖨 🔲 analytical data.	
I hereby cer	rtify that the above and attached description is complete and accurate to the best of	
my knowled	dge and ability to determine that no deliberate or willful omissions of compostion	
properties e	exist and that all known or suspected hazards have been disclosed. I certify that the	
materials tes	ested are representative of all materials described by this document.	
Authorized	Signature: 1/18/2007.	
	me/Title: C. II. MILMS PLANT MAR TEXAS COPPOR DIVISION OF PA	_
Printed Nan	ME/Title: C. 14. MILMES PLANT MOR TEXAS COPPORDIVISION OF PA	ckuss
	(A))(I)	211213
CES USE O	DNLY (DO NOT WRITE IN THIS SPACE)	
	0 01	
Compliance	Officer: 1 a Mark Thank	
	9-22-cx Approved Rejected	
	——————————————————————————————————————	
Approval Nu	umber.	
L		



# PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
\$0.15/gallon, transportation \$770.00 + Current FSC
2. Contamination Limit (maximum limit before surchages apply):
<u></u>
3. Surcharge Pricing:
4. Special Testing Requirements:
pH, TOC, Metals, Phenols, flush, % sehos, chladted
F. Treatment and Handling Dustreel.
5. Treatment and Handling Protocol:
Recovered black oil; water to WWTP
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



# PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):						
8. Management for Product Recovered/Recycled (if applicable)						



4904 Griggs Road Houston, TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1676

Date: 09/22/08

Lab Memo: 08-161

To: Shannon Ward

Cc: Matt Bowman, Gary Peterson, Prabhaker,

Matt Moser, Joe Camp

From: Miles Root

Subject: Packless/Texas Cooper Evaluation 0908-42

A sample of oily waste water from Packless/Texas Cooper has been evaluated for potential processing at CES. This sample is evaluation 0908-42. Texas Cooper is a sister company of Packless, a current supplier to CES. This sample represents a stream of approximately 3000 gallons/month of oily water containing some hydraulic oils produced from a metal forming process for high Cu and Ni alloy tubes. We would expect this water to be higher than typical in these two metals. Overall, this stream looks good for CES.

The water and oil are easily separated with heat and a little acid. The chlor-d-tect on the oil is 400 mg/L, an acceptable value. The metals treat out of the water with our standard treat and are very acceptable. The treated water has no phenols or TOC. We should pursue the acquisition of this stream. The table below summarizes the analytical testing on this sample.

Packless/Texas Cooper						
Evaluation 0908-42						
pН	6					
Phenols, ppm	0					
TOC, mg/L	0					
Oil, vol%	12					
Chlor-d-tect, mg/L	400					
Treatability	ОК					
Metals, ppm						
Cd	0.127					
Cu	0.440					
Ni	0.645					
Zn	0.430					

# COPY FOR CES BNVIRONMENTAL SERVICES OF PREVIOUS PROFILE SAMPLES JULY 2007.

TS3M	C494		V	IEW RE	PORT	li .					2007	-07-	24	P7
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PRINT:	VIEW	REPORT USI	NG PF	KEY(S)	OR	TYPE	SEAR	CH ST	RING	, PR	ESS EN'	TER		
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OIL REG	COVERY SE	RVICE							(	COMP	LETED:	07/	24/	07
OIL SE	RVICES CO	LLECTION								RE	VISED:			
											RUN:	07/	24/	07
	SKVS APPR	OVED												_
								CON	TROL	#:	235	0461	-6	_
BRANCH	/SUBMITTE	R: 604903							LAB	#:	235	0461	-6	
WACO T	X						PRO	OFILE	REF	#:	337	3112		
GENERA	TOR INFOR	MATION: C	USTOME	R NUMB	ER:	0002	-95-8	473						
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	WACO TX													
														_
	ATTN: CH	RIS MILNES												—
\$\$0141		AGE OF REPO	RT											
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	•	F19=TOP.PF2	•	•		•					-			

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*											*	
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*											*	-
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*											*	
****	*****	*****	****	*****	****	****	*****	*****	***	****	*****	
A. GEN	ERATOR IN	FORMATI	ON:		-							
GENERA'	TOR NAME	& FACIL	ITY ADI	RESS:	В	ILLING	COMPAN	Y & ADI	RES	s:		-
	TEXAS	COPPER	WORKS			TE	EXAS COP	PER WOF	RKS			
	8401 I	MPERIAL	DR			PC	BOX 20	668		••		
	MIKE N	ICCAULEY	CHRI.	5 MILLE	3 <b>S</b>		ACO TX 7					
		'X 76712			•							
PHON	E: 254-66	6-7700										
S.I.C.												
STATUS	: CESQG	US EPA	ID:	TXCESÇ	QG		ST	ATE ID:	TX	CES	QG	
B. SHI	PPING INE	ORMATIO	N: DOT	ASSISTA	NCE R	EQUEST	ED					
							<u> </u>	•				

TS3M PRINT:		VIEW RE		RCH STRING	09.0	7-07-24 P7 05.43 NTER
SEARCH S						
	PPING CONTAINE					
TANK		QTY/SI:	ZE: 1/3000		FREQ: 2	26 WEEKS
						·
*** SKVS	APPROVED			CON	FINUED ON	NEXT PAGE
8XXXX-RX	XXX	PREQUALIFICA'	TION EVALUAT	ION	PAGE	2 OF 6
OIL RECO	VERY SERVICE			(	COMPLETED:	07/24/07
OIL SERV	ICES COLLECTIO	N			REVISED:	
					RUN:	07/24/07
SK	VS APPROVED					
				CONTROL	#: 235	0461-6
BRANCH/S	UBMITTER: 6049	03		LAB	#: 235	0461-6
WACO TX			P	ROFILE REF	#: 337	/3112
C. GENER	AL MATERIAL &	REGULATORY INFOR	MATION:			
NAME OF	MATERIAL: OIL,	WATER				

TS3M	_ C494	VIEW REPORT	2007-07-24 P7 09.05.42
PRINT:	VIEW I	REPORT USING PF KEY(S) OR TYPE SEARCH STRING,	PRESS ENTER
SEARCH	STRING:		
PROCESS	DESCRIPT	ION: PLANT MAINTENANCE	
ODOR:	NONE		
YES NO			
X	REGULATE	O OR LICENSED RADIOACTIVE WASTE	
X	REGULATE	D MEDICAL / INFECTIOUS WASTE	
X	WASTE SU	BJECT TO BENZENE NESHAP REGULATIONS	
X	TSCA REG	JLATED PCB WASTE	
X	REGULATE	O OZONE DEPLETING SUBSTANCE	
X	CERCLA RI	EGULATED (SUPERFUND) WASTE	
X	WASTE CO	NTAINS UHC'S/CONSTITUENTS OF CONCERN (CI	ESQG)
X	UHC IN SI	ECTION D	<u> </u>
X	EXEMPT W	ASTE; IF YES, LIST REFERENCE 40 CFR	
X	STATE HA	ZARDOUS WASTE	
X	ARTESIA N	MS: DIOXIN-LISTED WASTE W/F020-F023 OR F02	
X		RDOUS WASTE	
STATE W	ASTE CODES	SK TX CESQ2051//	CTRY: USA
EPA WAS	TE CODES:	NONE	

<u>TS3M</u> C494	VIEW REPORT	2007-07-24 P7 09.05.41
PRINT: VIEW REPORT US	ING PF KEY(S) OR TYPE SEARCH STRING	, PRESS ENTER
SEARCH STRING:		
*** SKVS APPROVED	CON	TINUED ON NEXT PAGE
8XXXX-RXXXX	PREQUALIFICATION EVALUATION	PAGE 3 OF 6
OIL RECOVERY SERVICE		COMPLETED: 07/24/07
OIL SERVICES COLLECTION		REVISED:
		RUN: 07/24/07
SKVS APPROVED		
	CONTROL	#: 2350461-6
BRANCH/SUBMITTER: 604903	LAB	#: 2350461-6
WACO TX	PROFILE REF	<b>#:</b> 3373112
		· ·
D. MATERIAL COMPOSITION:	ANALYTICAL RMP COMPOUN	D DENOTED WITH #
1. CHEMICAL/PHYSICAL C	ONSTITUENTS:	
· · · · · · · · · · · · · · · · · · ·		T %
NO VOLATILE ORGANICS DE	TECTED (<0.1% EACH .00 W	T8

<u>TS3M</u> C494		VIEW REPO	RT			2007-07-24 09.05.39	P7
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PHENOLS			<	50.00	PPM		
RESIDUE RESIDUE DESCR	IPTION: OII	1.		10.00	WT%		
WATER CONTEN				90.00	WT%		
2. ELEMENT	AL CONSTITUENTS		ATNS NO	DETECTABLE	rt.EMEN	TS/METALS	
		WIDIE CONT	11110 110	DETECTABLE		10/111111111111111111111111111111111111	
THE FOLLOWING LISTED IS THE	VALUES ASSOCIAT		"<" ARI	E NON-DETEC	TED. T	HE VALUE	
ALUMINUM	18.	.00 MG/KG	;				
ANTIMONY	< 3.	.60 MG/KG	Ť				

TS3M	C494		V	VIEW RE	PORT	7				7-07-24 05.38	P7
PRINT:	VIEW	REPORT	USING PF	KEY(S)	OR	TYPE	SEARCH	STRING,	PRESS E	NTER	
SEARCH S'	TRING:										
ARSENIC	(D004)	<	2.40	MG/	KG						
BARIUM	(D005)	<	4.70	MG/	KG						
BERYLLIU	M	<	.059	MG/	KG				***		
CADMIUM	(D006)	<	.24	MG/	KG						
CHROMIUM	(D007)		1.30	MG/I	KG						
COBALT		<	.71	MG/1	KG						
COPPER			220.00	MG/I	KG						
IRON			200.00	MG/1	KG						
LEAD	(D008)		8.00	MG/I	KG						
MAGNESIU	M		15.00	MG/1	KG						
MANGANESI	£		6.70	MG/I	KG						
MERCURY	(D009)	. <	2.40	. MG/1	KG						
NICKEL			11.00	MG/I	KG						
PHOSPHOR	US		52.00	MG/I	KG						
SELENIUM	(D010)	<	4.70	MG/1	KG						
SILICON			71.00	MG/I	KG						
SILVER	(D011)	<	.24	MG/1	KG						

TS3M	C494		7	/IEW REI	PORT					007- 9.05	07-24 .37	P7
PRINT:	VIE	W REPORT	USING PF	KEY(S)	OR	TYPE	SEARCH	STRING	, PRESS	ENT	'ER	
SEARCH ST	TRING:											
THALLIUM		<	7.10	MG/I	⟨G							
TITANIUM		<	.47	MG/I	ζG							
VANADIUM		<	.47	MG/I	ζG							
ZINC			64.00	MG/I	ζG							
8XXXX-RXX			PREQUA	ALIFICAT	TION	EVAI	LUATION		PA	.GE	EXT PA	6
OIL RECOV		ERVICE							COMPLET		07/24	<u> </u>
OIL SERVI	ICES C	OLLECTION	N .						REVIS		05./0.4	<del>/</del>
SK\	/S APP	ROVED						CONTROL		•	07/24	
BRANCH/SU	JBMTTT	ER: 60490	0.3				<u> </u>	LAB			461-6	
WACO TX							PROF:			3373		

TS3M	_ C494	VIEW REPORT	2007-07-24 P7 09.05.35
PRINT:	VIEW REPORT USING	PF KEY(S) OR TYPE SEARCH STR	ING, PRESS ENTER
SEARCH	STRING:		
E. REAC	TIVE CHARACTERISTICS:	WASTE EXHIBITS NO REACTIVE (	CHARACTERISTICS
YES NO	-		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
X	EXPLOSIVE		
X	SHOCK SENSITIVE		
X	WATER REACTIVE		
X	AIR REACTIVE		
X	REACTIVE CYANIDE	.00	
X	REACTIVE SULFIDE	.00	
X	POLYMERIZABLE		
F. MATE	RIAL PHYSICAL CHARACT	ERISTICS @ 70F:	
# OF PH	ASES	1.0	
LIQUID	ଚ	100.0	
VISCOSI	TY	240	
DENSITY		0.98	
NO FLAS	H AT	200.0 F	

TS3M	C494	VIEW REPORT	2007-07-24 P7 09.05.34
PRINT:	VIEW REPOR	T USING PF KEY(S) OR TYPE SEARCH STRING, PF	RESS ENTER
SEARCH ST	RING:		
ASH %	• • • • • • • • • • • • • • • • • • • •	< 1.0 WT%	
PH LIQUID	S >20% H2O		
PH		7.0	
BTU'S / L	B. OR RANGE	1670.0 BTU/LB	
COMMENTS:	FLAMMABILIT	Y AT 200 F: NO FLASH NON-VOLATILE RESIDUE	1
	AT 200 C: 1	.8 WT.% BULK DENSITY: 0.98 KF FOR ORGANI	[C
	PHASE=41.23	%, AQUEOUS PHASE=96.83% CAUSTIC	
	COAGULATION	: PASS	
*** SKVS	APPROVED	CONTINU	JED ON NEXT PAGE
8XXXX-RXX	XX	PREQUALIFICATION EVALUATION	PAGE 5 OF 6
OIL RECOV	ERY SERVICE	COME	PLETED: 07/24/07
OIL SERVI	CES COLLECTI	ON RE	EVISED:
			RUN: 07/24/07
SKV	S APPROVED		

TS3M C494 VIEW REPORT	2007-07-24 P7 09.05.33
PRINT: VIEW REPORT USING PF KEY(S) OR TYPE SEARCH STRING, PRE	ESS ENTER
SEARCH STRING:	
CONTROL #:	2350461-6
BRANCH/SUBMITTER: 604903 LAB #:	2350461-6
WACO TX PROFILE REF #:	3373112
CORPORATE REVIEW:	
DISPOSITION: SKVS APPROVED SALES PART: 0876570 SKVS LIQUI	IDS 55G
TECHNOLOGY DISPOSITION CODE: WWVL SKVS LIQUIDS	
REVIEW DATE: 07/19/2007 REVIEWERS: AW	
	· · · · · · · · · · · · · · · · · · ·
APPROVED FACILITIES:	
********	
******	
******	
FED EPA#: ********	_
STATE EPA#: *********	
TELEPHONE: ************	
STATE AUTH: ******	

TS3	M	_ C494						VI	EW	RE	POR	T										7-0 05.	7-24 31	. P7
		VI STRING		REPOR	T?	USING	F P	F K	ΕY	(S)	OR	TY	PE	SEA	RCH	s s	RI	NG	, E	RES	SS E	ENTE	R	
OLF	11/011	DIMING	• -		•																			
APE	ROVE	D DOT	- 5	SHIPPI	NG	DESC	CRI	PTI	ON															
0.0	0577	6 DRU	M (	OR BUI	JΚ			OI	LY	WA	rer													
								(N	OT	US	TOC	OF	US	EPA	. HA	ZAF	RDO	US	M	TEF	RIAI	٦)		
СП	יא מידי ע	PROV.	COL	NEC. 1	17	CECOS	0.5	1																
						~	.05	Τ																
05	EPA	WASTE		DES: N	1ON	ᄠ																		
		USA	-																					
REV	TEW	COMMEN	TS:	:																				
***	***	****	***	****	**	***	**	***	**	***	***	***	***	***	***	***	**	**:	* * *	***	***	***	***	***
*																								
* I	HIS	WASTE	IS	BEING	S	HIPPE	D	UND	ER	THI	E 0	IL	EXE	MPT	ION	FC	NUC	D :	IN	40	CFF	27	9 AN	D
* M	UST	BE REC	YCI	LED.																				
*																								
* C	K FC	R SK V	ACI	JUM SE	RV	ICES.	Т	HIS	W	ASTI	E M	USI	' GO	TO	A	SIT	'E	PEI	RMI	TTE	D T	.'O		
* P	ROCE	SS 279	EΣ	KEMPT	US	ED OI	L.																	

TS3M C494	VIEW REPORT		2007-07-24 P7
			09.05.29
PRINT: VIEW REP	ORT USING PF KEY(S) OR T	TYPE SEARCH STRI	NG, PRESS ENTER
SEARCH STRING:			
*			
	GY: SAFETY-KLEEN LIQUID		
*****	******	******	******
THIS SERVES AS NOTI	CE PER FEDERAL AND STATE	REGULATIONS TH	AT EACH FACILITY
NOTED ABOVE HAS THE	APPROPRIATE PERMITS, CA	APABILITIES, CAP	ACITY; AND IS
WILLING TO ACCEPT T	HE MATERIAL AS DESCRIBED	IN THE APPROVA	L SECTION.
IT IS THE RESPONSIB	ILITY OF THE GENERATOR I	O NOTIFY SAFETY	-KLEEN CORP. OF
ANY CHANGES IN THE	PROCESS GENERATING THIS	WASTE STREAM.	
			·
*** SKVS APPROVED		C	ONTINUED ON NEXT PAGE
8XXXX-RXXXX	PREQUALIFICATION	EVALUATION	PAGE 6 OF 6
OIL RECOVERY SERVIC	E		COMPLETED: 07/24/07
OIL SERVICES COLLEC	TION		REVISED:
			RUN: 07/24/07
SKVS APPROVED			

TS3M C494  PRINT: VIEW REPORT USING P	VIEW REPORT  F KEY(S) OR TYPE SEARCH STRING, PF	2007-07-24 P7 09.05.23 RESS ENTER
SEARCH STRING:		
	CONTROL #:	2350461-6
BRANCH/SUBMITTER: 604903	LAB #:	2350461-6
WACO TX	PROFILE REF #:	3373112
ADDITIONAL ANALYTICAL		
RESULT DESCRIPTION/ELEMENT	RESULT	
CENTRIFUGE	90.0 VOL%	<u> </u>
	10.0 VOL%	
PCB	NONE	
PCB AMOUNT		
OTHER	< 1.0 MG/KG	
WATER CONTENT	90.0 WT%	
THE ANALYSIS CONTAINED HEREIN	ARE PERFORMED SOLELY FOR THE PURPO	OSE OF

TS3M_	C494	VIEW REPORT			07-24 P7
PRINT: SEARCH	VIE STRING:	W REPORT USING PF KEY(S) OR TYPE SEARCH STRING, PF	≀ESS	ENT	ER
QUALIFY	YING THE	ANALYZED MATERIALS FOR ACCEPTANCE BY SAFETY-KLEEN	1 COR	P.	IN
ACCORDA	ANCE WIT	H ITS PERMITS AND PROCESSING CAPABILITIES.			
NOTICE	OF LAND	DISPOSAL RESTRICTION OF WASTE IS NOT REQUIRED.			
*** SK	JS APPRO	VED	END	OF	DOCUMENT
	<del></del>				
	·		<del></del>	-	
PF1=HE1	LP, PF2=P	CREEN OF INFORMATION REV, PF3=EXIT, PF5=RFSH, PF7=BWD, PF8=FWD, PF10=PREV RF PF19=TOP, PF20=BOTM, PF21=PREV PAGE, PF22=NEXT PAGE	PT		

<b>FESTING L</b>	ABORATOR'	/ IDENTIFICATION	<b>I &amp; INFORMATION</b>

# **CHAIN of CUSTODY RECORD**

**CES Environmental Services, Inc.** 

4904 Griggs Road

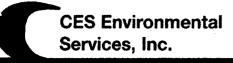
Houston, TX 77021

Main Number: (713) 676-1460 Fax Number: (713) 676-1676 **Test Results Reporting**CES Environmental Services, Inc.

Main Number: (713) 676-1460

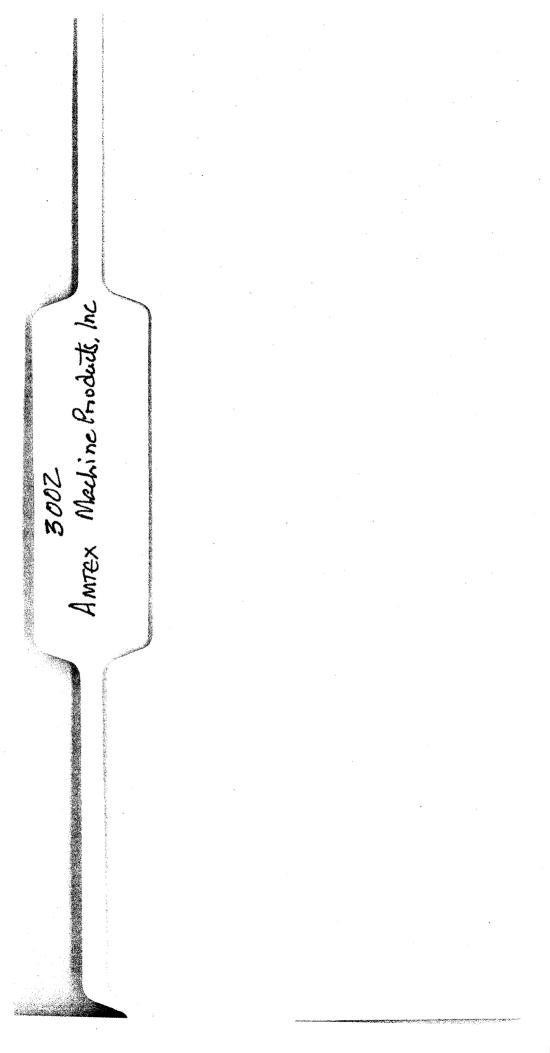
Fax Number: (713) 676-1676

Project Name	Sample	Name	Comments/Sp	ecial Instructions	±	
Texas Copper Sampling. Contact:	1005 Coffee	Sample	Turnaround Time Ron DATE and/or Number of Days:	equired:	*	
SAMPLER: PRINT: SIGN:			OTHER INFORMATION: Grab sample from Texas tank that the sample	copper write	how the	
Type and Number of Containers ( Glass	(CIRCLE): 1 2 3		SAMPLE NAME/ID ('s):	V2 WAST	e pit/Touk	
Grab	4 5 6	Other:	CES Sample LOG BK Number	('s):		
Requested Analysis: SAI	uplt Taken fro	um tank #	TOW Tanks Couly he	ove 1 at TCW		
Relinquished By:	Date:	Time:	2. Received By:	Date:	Time:	
3. Relinquished By:	Date:	Time:	4. Received By:	Date:		
5. Relinquished By:	Date:	Time:	6. Received By:	Date:	Time:	



# JOB INFORMATION PROFILE

Customer: Packless Industries Address: 8401 Imperial Drive  Address: 8401 Imperial Drive  City, State, Zip; Waco TX, 78702  CES Contact:	Folder ID : Packless Industries (P Wastewater	ackless - Waco)		
City, State, Zip: Waco TX , 76702  CES Contact: _() _ Truck # 298 Trailer # 260  Job Description:  MAKE SURE YOU TAKE A SAMPLE JAR & CHAIN OF  TUSTODY IIIIIIIIIIIIIII MARKE & SAMPLE JAR & CHAIN OF  TUSTODY IIIIIIIIIIIIIIII MARKE & SAMPLE JAR & CHAIN OF  TUSTODY IIIIIIIIIIIIIIIII & SAKE &	Customer : Packless Industries		Driver : Morales, R	<u>olando</u>
Truck # 248  Trailer # 260  Job Description:  MAKE SURE YOU TAKE A SAMPLE JAR & CHAIN OF EUSTODY!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	Address: 8401 Imperial Drive	•	Helper:	
ANKE SURE YOU TAKE A SAMPLE JAR & CHAIN OF CUSTODY!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	City,State,Zip: Waco TX, 76702		Date: 9/19/2008	Time:
ARKE SURE YOU TAKE A SAMPLE JAR & CHAIN OF CUSTODY!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	CES Contact:() -		Truck# <b>29</b> 8	Trailer # <u>260</u>
CUSTONER INFORMATION  OPERATION HOURS:  Name:  Close:  Name:  Clos	Job Description :			
Please take at least 40ft of hose.  //acurum out Wastewater as directed  ***********************************				
Tacuum out Wastewater as directed  ***********************************	ite Contact: Mike McCauly @ 254-666	-7700		
CALL Chris Milnes @ 254-666-7700 x 225 *******  You need to obtain or Pull a sample of w/w from their sister company behind Packless called Texas company. THEY HOVE TO GIVE ME PIECE PEPER WITH THE SAMPLE string back to CES & Check into processing facility. Give sample to lab & let Jenny Rust or Shannon Ward know that the sample is in the lab.  **ID#: 17253  **CUSTOMER INFORMATION**  **Open: Name: Don Hull Name: Same Number: (254) 666-7700 Number: RECEIVING INFORMATION**  **Open: Name: Cohen Number: CES Name: Number: Numb	lease take at least 40ft of hose.			
To uneed to obtain or Pull a sample of w/w from their sister company behind Packless called Texas copper. THEY HOVE TO GIVE ME PIECE P2PER WITH THE SAMPLE Bring back to CES & Check into processing facility. Give sample to lab & let Jenny Rust or Shannon Vard know that the sample is in the lab.    TO STORE INFORMATION	/acuum out Wastewater as directed			· •
CUSTOMER INFORMATION  OPERATION HOURS: SHIPPING/RECEIVING CONTACT:  Open: Name: Don Hull Name: Same  Close: Number: (254) 666-7700 Number:  RECEIVING INFORMATION  OPERATION HOURS: SHIPPING/RECEIVING CONTACT:  Open: Name: CES Name:  Close: Number: Number:  PURCHASE ORDER NUMBER REQUIRED: YES NO  IF YES, P.O. #:  PPE REQUIRED: YES NO HACSC REQUIRED: YES NO  IF YES, WHAT? Standard IF YES, WHAT?  CAN CUSTOMER LOAD US: YES NO WASHOUT ANTICIPATED: YES NO	You need to obtain or Pull a sample of we copper. THEY HAVE TO Bring back to CES & Check into process Vard know that the sample is in the lab	v/w from their sister compa Five Me Pie sing facility. Give sample to	ce Paper Wit	H THE SAMPLE
OPERATION HOURS:       SHIPPING/RECEIVING CONTACT:       AFTER HOURS CONTACT:         Open:       Name:       Don Hull       Name:       Same         Close:       Number:       (254) 666-7700       Number:         RECEIVING INFORMATION         OPERATION HOURS:       SHIPPING/RECEIVING CONTACT:         Open:       Name:       CES       Name:         Close:       Number:       Number:         PURCHASE ORDER NUMBER REQUIRED:       YES       NO         HACSC REQUIRED:       YES       NO         IF YES, WHAT?         CAN CUSTOMER LOAD US:       YES       NO         WASHOUT ANTICIPATED:       YES       NO	and combined the second and the state of the second			
Open: Name: Don Hull Name: Same Close: Number: (254) 666-7700 Number:    RECEIVING INFORMATION		G/RECEIVING CONTACT:	AFTER HOURS CO	NTACT:
Close: Number: (254) 666-7700 Number:    RECEIVING INFORMATION				
OPERATION HOURS: SHIPPING/RECEIVING CONTACT:  Open: Name: CES Name: Number:  PURCHASE ORDER NUMBER REQUIRED: YES NO  IF YES, P.O. #:  PPE REQUIRED: YES NO  IF YES, WHAT? Standard IF YES, WHAT?  CAN CUSTOMER LOAD US: YES NO  WASHOUT ANTICIPATED: YES NO  ROPPER PLIMP: YES IND		nber: (254) 666-7700	Number:	nu en mesebblin i le la linea la manazione in nice manazioni menini principioni in colore in colore in colore i I
OPERATION HOURS: SHIPPING/RECEIVING CONTACT:  Open: Name: CES Name:  Close: Number: Number:  PURCHASE ORDER NUMBER REQUIRED: YES NO  IF YES, P.O. #:  PPE REQUIRED: YES NO  IF YES, WHAT? Standard IF YES, WHAT?  CAN CUSTOMER LOAD US: YES ✓ NO  ROPPER PLIMP: YES ✓ NO  WASHOUT ANTICIPATED: YES ✓ NO	RECEIVING INFORMATION			
Close: Number: Number:  PURCHASE ORDER NUMBER REQUIRED: YES NO  IF YES, P.O. #:  PPE REQUIRED: YES NO  IF YES, WHAT? Standard  IF YES, WHAT?  CAN CUSTOMER LOAD US: YES NO  WASHOUT ANTICIPATED: YES NO  ROPPER PLIMP: YES VENO		G/RECEIVING CONTACT:	AFTER HOURS CO	NTACT:
PURCHASE ORDER NUMBER REQUIRED: YES NO  IF YES, P.O. #:  PPE REQUIRED: YES NO  IF YES, WHAT? Standard  IF YES, WHAT?  CAN CUSTOMER LOAD US: YES NO  WASHOUT ANTICIPATED: YES NO  ROPPER PLIMP: YES NO	Open : N	ame: CES	Name:	
IF YES, P.O. #:  PPE REQUIRED: YES NO  IF YES, WHAT? Standard  IF YES, WHAT?  CAN CUSTOMER LOAD US: YES NO  WASHOUT ANTICIPATED: YES NO  ROPPER PLIMP: YES VINO	Close: Num	nber:	Number:	e de la como de la compansión de la comp
IF YES, P.O. #:  PPE REQUIRED: YES NO  IF YES, WHAT? Standard  IF YES, WHAT?  CAN CUSTOMER LOAD US: YES NO  WASHOUT ANTICIPATED: YES NO  ROPPER PLIMP: YES VINO				
PPE REQUIRED: YES NO  IF YES, WHAT?  Standard  IF YES, WHAT?  CAN CUSTOMER LOAD US: YES NO  WASHOUT ANTICIPATED: YES NO  ROPPER PLIMP: YES VENO		YES NO		
IF YES, WHAT? Standard IF YES, WHAT?  CAN CUSTOMER LOAD US: YES NO WASHOUT ANTICIPATED: YES NO  ROPPER PLIMP: YES NO	<u>1F 1ES, P.O. #:</u>	The second secon	The second secon	The stage of the s
CAN CUSTOMER LOAD US: YES NO WASHOUT ANTICIPATED: YES NO	PPE REQUIRED: YES NO	Н/	ACSC REQUIRED: YES	; ☑ NO
CAN CUSTOMER LOAD US: YES NO WASHOUT ANTICIPATED: YES NO	IF YES, WHAT? Standard	The second secon	IF YES, WHAT?	
ROPPER PLIMP: To VEC. To NO.	CAN CUSTOMER LOAD US: YES	<b>☑</b> NO		<u>D:</u> YES ☑ NO
	ROPPER PUMP: YES	<b>☑</b> NO	BOX LINER REQUIRED	☐ YES 🗹 NO





4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 9/23/2008

Dear Fred Leach

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # -3002

Expiration Date 9/23/2010

Generator: AMTEX Machine Products, Inc.

Address: 4517 Brittmoore Road

Houston, TX 77041

#### Waste Information

Name of Waste: Nonhazardous paint TCEQ Waste Code #: CESQ2092

**Container Type:** 

**Detailed Description of Process Generating Waste:**Nonhazardous latex paint left over from painting office

Color: varies

Odor: none

pH: neutral

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

palled contains a lat of small container that wend to he 4904

CES Environmental Services, Inc.

4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676 http://www.cesenvironmental.com

CECTION 4	· · · · · · · · · · · · · · · · · · ·	•				· ·				
SECTION 1: Company:			<del></del>			•				
Address:	4517 Brittn		ucts							
City:	Houston	iore nu.	<del></del>		State:	TX	Zip:			77041
Contact:	Fred Leach				Juic.	Title:	<u>r.</u> ip.			77043
Phone Num		281-224	1_0121			. Title. Fax Number	713-806-	6363	· · · · · · · · · · · · · · · · · · ·	
24/hr Phone		713-748				- rax ivallibel	713-630-	0303		
US EPA ID N		CESQG	5-3004			-				
State ID No:		CESQ				SIC Code:	na -			
State ID No.		CLSQ				- Sic code.	11a			
SECTION 2:	Billing Info	mation -	✓ 9	Same as A	Above					
Company:										
Address:										
City:					State:		Zip:			
Contact:					•	Title:	_ `			
Phone Num	ber:					- Fax Number				
Name of Wa Detailed De Painting offi	scription of	Non haz	zardous Pa	aint		nonhazardou	ıs latex pair	t left ov	ver from	
Name of Wa	ste: scription of	Non haz Process G	zardous Pa	aint	Sludge Filter Cake		Powder		ver from	
Name of Wa Detailed Det Painting office	este: scription of ce te:	Non haz Process G	zardous Pa	aint	Sludge Filter Cake				ver from	
Name of Wa Detailed De Painting offi Physical Sta	ste: scription of ce te:  varies	Non haz Process G Liquid Solid	zardous Pa	aint	_	Odor:	Powder Combina			s/gal
Name of Wa Detailed De Painting offi Physical Star Color:	este:  ce  te:  varies  vity (water=	Non haz Process G Liquid Solid	enerating	aint g Waste:	Filter Cake	Odor:	Powder Combina none Density:	8.34-		s/gal
Name of Wa Detailed De Painting office Physical Star Color: Specific Gra	este:  varies  vity (water-	Non haz Process G Liquid Solid	enerating	aint g Waste:	Filter Cake	Odor:	Powder Combina none Density:	8.34-		
Name of Wa Detailed De Painting offi Physical Star Color: Specific Gra Does this ma	este: cription of ce te: varies vity (water= aterial cont	Non haz Process G  Liquid Solid  =1):  ain any to ain any pa	enerating	aint g Waste:	1.02 ounds?	Odor: Ye	Powder Combina none  Density:	8.34- No Yes	9 lbs	) 
Name of Wa Detailed De Painting office Physical Star Color: Specific Gran Does this man Does this man	varies  vity (watersaterial contesterial con	Non haz Process G  Liquid Solid  -1): ain any to ain any pa	tal pheno	aint g Waste:	1.02 ounds? enolic comp	Odor: Ye oounds?	Powder Combina none  Density:  S	8.34- No Yes	9 lbs ☑ No	Yes
Name of Wa Detailed Detailed Detailed Detailed Detailed Detailed Detailed State Physical State Color: Specific Gra Does this manual of the Waste Answer "Yes	varies  vity (watersaterial contesterial con	Non haz Process G  Liquid Solid  =1): ain any to ain any pa the benze ste contain	tal pheno	aint g Waste:	1.02 ounds? enolic comp the SIC code	Odor: Ye counds? (40 CFR Part e from your f	Powder Combina none  Density:  S  G1, Subpartacility is one	8.34- No Yes	9 lbs ☑ No	Yes
Name of Wa Detailed Detailed Detailed Detailed Detailed Detailed Physical Star Color: Specific Grades Does this manual Does t	varies  vity (wateraterial contestinaterial contestinater	Non haz Process G  Liquid Solid  -1): ain any to ain any pa the benze ste contain	tal pheno ara substitue ne waste ns benzer 2816	olic competuted phenome AND if	1.02 ounds? enolic comp the SIC cod	Odor:  Ye  Pounds?  (40 CFR Part te from your f. 282	Powder Combina none  Density:  S  G1, Subpart acility is one 2 282	8.34- No Yes FF)	9 Ibs  ☑ No  following 2824	) ] Yes : 2833
Name of Wa Detailed Detailed Detailed Detailed Detailed Detailed Detailed Star Physical Star Color: Specific Gra Does this mandal Does this mandal Detailed	varies  varies  vity (wateraterial contestinaterial conte	Non haz Process G  Liquid Solid  -1): ain any to ain any pa the benze ste contain 3	tal phenomena substitute ne waste ns benzer 2816 2841	plic composituted pheroperation ne AND if 2819 2842	1.02 ounds? enolic comp the SIC cod 2821 2843	Odor:  Ye  Pounds?  (40 CFR Part e from your f	Powder Combina none  Density:  61, Subpar acility is one 2 282 4 285	8.34-  No  Yes  FF)  of the  3	9 Ibs  Vision Notes of the second sec	Yes : 2833 2865
Name of Wa Detailed Detailed Detailed Detailed Detailed Detailed Detailed State Color:  Specific Grade Does this management of the Waste Answer "Yes 2812	varies  vity (wateraterial contestinaterial contestinater	Non haz Process G  Liquid Solid  -1): ain any to ain any pa the benze ste contain 3 6 4	tal pheno ara substitue ne waste ns benzer 2816	olic competuted phenome AND if	1.02 ounds? enolic comp the SIC cod 2821 2843 2891	Odor:  Ye  Pounds?  (40 CFR Part e from your f	Powder Combina none  Density:  61, Subparacility is one 2 282 4 285	8.34-  No  Yes  FF)  of the  3	9 Ibs  ☑ No  following 2824	Yes : 2833 2865
Name of Wa Detailed Detailed Detailed Detailed Detailed Detailed Detailed Detailed State  Physical State  Color:  Specific Gra  Does this material Does this material Detailed	varies  vity (wateraterial continues subject to "if your wa 281 283 287 495	Non haz Process G  Liquid Solid  -1): ain any to ain any pa the benze ste contain 3 6 4	tal phenomera substitute ne waste ns benzer 2816 2841 2876 4959	olic competuted phere and if 2819 2842 2879 9511	1.02 ounds? enolic comp the SIC cod 2821 2843 2891	Odor:  Ye  Pounds?  (40 CFR Part e from your f	Powder Combina none  Density:  61, Subpar acility is one 2 282 4 285	8.34-  No  Yes  FF)  of the  3	9 Ibs  Vision Notes of the second sec	) ] Yes : 2833

migen

		us Waste" per 40CFR 20 Il out the UHC Form	61.3?	☐ Yes	<b>Y</b>	No				
If "Yes", Is it:         □ D001 (Ignitable)         □ D002 (Corrosive)         □ D003 (Reactive)           Characteristic for Toxic Metals:         □ D004         □ D005         □ D006         □ D007         □ D008         □ D009           □ D010         □ D011										
Characteri	stic for Toxic C	Organics: D012 thru D04	<b>13</b> (please list a	all that apply)						
	Is this an "F" or "K" Listed waste or mixed with one?  If "Yes", then please list ALL applicable codes:									
40 CFR 261	33(e) or (f)?	duct or spill cleanup tha	Yes 🖸	a "U" or "P" wa	ste code ur	nder				
Texas State	e Waste Code	Number:	CES	02092		-				
Proper US	DOT Shipping	Name: Non-RC	RA, Non-DOT r	egulated mater	al					
Class:	na	UN/NA: na	PG :	na	RQ:	na				
Flas	h Point	рН	React	tive Sulfides	Reactive	Cyanides	Sol	ids		
;	•150	neutral	0	mg/l	0	mg/l	0-50	%		
Oil 8	Grease	TOC		Zinc	Copper			Nickel		
0	mg/l	na <u>mg/</u>	. 0	mg/l	0	mg/l	0	mg/l		
SECTION 4		Chemical Data			CONCENT	<b>TRATOIN</b>		UNITS		
<del></del>		ists of the following mat	erials	<del> </del>	Ranges are			or %		
<u>'</u>		dden Latex Paint		<del>                                     </del>	10			%		
		<del></del>								
		·								
<u> </u>										
<u> </u>										

SECTION 5: Safety Rel If the handling of this v standard	ated Data vaste requires the use of special protective equipment, please explain.
	Eupparting Documents es, data and/or analysis attached to this form as part of the waste MSOS
SECTION 7: Incompati Please list ALL incompa none	
Laboratory analysis of	'a Knowledge Documentation the hazardous waste characteristics, listed below, WAS NOT PERFORMED ng generator knowledge:
TCLP Metals:	x
TCLP Volatiles:	X
TCLP Semi-Volatiles:	X
Reactivity;	X
Corrosivity:	X
Ignitability:	X
I hereby certify that the my knowledge and abil properties exist and the	's Certification  ned herein is based on  generator knowledge and/or  analytical data.  a above and attached description is complete and accurate to the best of  ity to determine that no deliberate or willful omissions of compostion  at all known or suspected hazards have been disclosed. I certify that the  presentative of all materials described by this document.
Authorized Signature:	Fred X cach Date: 9/18/2008
Printed Name/Title:	Fred Leach
CES USE ONLY (DO NOT	TWRITE IN THIS SPACE)
Compliance Officer:	Lolly Chyon
Date: 9-23-6	8 ✓ Approved ☐ Rejected
Approval Number:	3002

#### SECTION 10: Waste Receipt Classification Under 40 CFR 437 ☐ YES ✓ NO Is this material a wastewater or wastewater sludge? If 'Yes', complete this section. PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE. **Metals Subcategory: Subpart A** Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment Oils Subcategory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes **Organics Subcategory: Subpart C** Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms ■ Byproduct waste glycol ☐ Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations

☐ Tank clean-out from organic, non-petroleum sources

(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.
	Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcategory
	Oils Subcategory
	Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



# PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
\$85.00/pallet plus freight
2. Contamination Limit (maximum limit before surchages apply):
None, It the palled contains a lot of small Containers that need to be opened and dumped into a sladge box then extra surcharges will apply.
3. Surcharge Pricing:
None
4. Special Testing Requirements:
None
5. Treatment and Handling Protocol:
Put in class 2 Box - may need to shred
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



# PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

	ct Recovered/Recyc	led (if applicabl	e):		
NA					
L					
8. Management for	or Product Recovere	ed/Recycled (if a	applicable)	2001	
NA					
				•	



# **MATERIAL SAFETY DATA SHEET**

#### **HAZARDS IDENTIFICATION (ANSI Section 3)**

Primary route(s) of exposure: Inhalation, skin contact, eye contact, ingestion.

Effects of overexposure:

Inhalation: Irritation of respiratory tract. Prolonged inhalation may lead to dizziness and/or lightheadedness, headache, nausea, chest pain, coughing, difficulty of breathing, severe lung irritation or damage, pneumoconiosis.

Skin contact: Irritation of skin. Prolonged or repeated contact can cause dermatitis.

Eve contact: Irritation of eyes.

**Ingestion:** Ingestion may cause lung inflammation and damage due to aspiration of material into lungs, mouth and throat irritation, nausea, vomiting, diarrhea, gastro-intestinal disturbances.

Medical conditions aggravated by exposure: Eye, skin, respiratory disorders, asthma-like conditions.

#### FIRST-AID MEASURES

(ANSI Section 4)

Inhalation: Remove to fresh air. Restore and support continued breathing. Get emergency medical attention. Have trained person give oxygen if necessary. Get medical help for any breathing difficulty. Remove to fresh air if inhalation causes eve watering, headaches, dizziness, or other discomfort.

Skin contact: Wash thoroughly with soap and water. If any product remains, gently rub petroleum jelly, vegetable or mineral/baby oil onto skin. Repeated applications may be needed. Remove contaminated clothing. Wash contaminated clothing before re-use.

Eye contact: Flush immediately with large amounts of water, especially under lids for at least 15 minutes. If irritation or other effects persist, obtain medical treatment.

Ingestion: If swallowed, obtain medical treatment immediately.

#### FIRE-FIGHTING MEASURES

(ANSI Section 5)

Fire extinguishing media: Dry chemical or foam water fog. Carbon dioxide. Closed containers may burst if exposed to extreme heat or fire.

Fire fighting procedures: Water may be used to cool and protect exposed containers. Firefighters should use full protective clothing, eye protection, and self-contained breathing apparatus.

Hazardous decomposition or combustion products: Carbon monoxide, carbon dioxide, acrylic monomers.

#### ACCIDENTAL RELEASE MEASURES

(ANSI Section 6)

Steps to be taken in case material is released or spilled: Comply with all applicable health and environmental regulations. Ventilate area. Spills may be collected with absorbent materials. Place collected material in proper container. Spilled material is extremely slippery. Complete personal protective equipment must be used during cleanup. Large spills - shut off leak if safe to do so. Dike and contain spill. Pump to storage or salvage vessels. Use absorbent to pick up excess residue. Keep salvageable material and rinse water out of sewers and water courses. Small spills - use absorbent to pick up residue and dispose of properly.

#### HANDLING AND STORAGE

EPAHO110002018

(ANSI Section 7)

Handling and storage: Store below 100f (38c). Keep from freezing.

Other precautions: Use only with adequate ventilation. Do not take internally. Keep out of reach of children. Avoid contact with skin and eyes, and breathing of vapors. Wash hands thoroughly after handling, especially before eating or smoking. Keep containers tightly closed and upright when not in use. Avoid conditions which result in formation of inhalable particles such as spraying or abrading (sanding) painted surfaces. If such conditions cannot be avoided, use appropriate respiratory protection as directed under exposure controls/personal protection.

#### **EXPOSURE CONTROLS/PERSONAL PROTECTION** (ANSI Section 8)

Respiratory protection: Control environmental concentrations below applicable exposure standards when using this material. When respiratory protection is determined to be necessary, use a NIOSH/MSHA (Canadian z94.4) Approved elastomeric sealing- surface facepiece respirator outfitted with organic vapor cartridges and paint spray (dust/mist) prefilters. Determine the proper level of protection by conducting appropriate air monitoring. Consult 29CFR1910.134 For selection of respirators (Canadian z94.4).

**Ventilation:** Provide dilution ventilation or local exhaust to prevent build-up of vapors. Personal protective equipment: Eve wash, safety shower, safety glasses or goggles, Impervious

gloves, impervious clothing.

### STABILITY AND REACTIVITY

(ANSI Section 10)

**Under normal conditions:** Stable see section 5 fire fighting measures

Materials to avoid: Oxidizers.

Conditions to avoid: Elevated temperatures, freezing.

Hazardous polymerization: Will not occur

#### TOXICOLOGICAL INFORMATION

(ANSI Section 11)

Supplemental health information: No additional effects are anticipated

Carcinogenicity: Contains crystalline silica which is considered a hazard by inhalation. IARC has classified crystalline silica as carcinogenic to humans (group 1). Crystalline silica is also a known cause of silicosis, a noncancerous lung disease. The national toxicology program (NTP) has classified crystalline silica as a known human carcinogen. In a lifetime inhalation study, exposure to 250 mg/m3 titanium dioxide resulted in the development of lung tumors in rats. These tumors occurred only at dust levels that overwhelmed the animals' lung clearance mechanisms and were different from common human lung tumors in both type and location. The relevance of these findings to humans is unknown but questionable. The international agency for research on cancer (IARC) has classified titanium dioxide as possibly carcinogenic to humans (group 2b) based on inadequate evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals.

Reproductive effects: No reproductive effects are anticipated

Mutagenicity: No mutagenic effects are anticipated Teratogenicity: No teratogenic effects are anticipated

#### ECOLOGICAL INFORMATION

(ANSI Section 12)

No ecological testing has been done by ICI paints on this product as a whole

#### **DISPOSAL CONSIDERATIONS**

(ANSI Section 13)

Waste disposal: Dispose in accordance with all applicable regulations. Avoid discharge to natural

#### REGULATORY INFORMATION

(ANSI Section 15)

As of the date of this MSDS, all of the components in this product are listed (or are otherwise exempt from listing) on the TSCA inventory. This product has been classified in accordance with the hazard

The information contained herein is based on data available at the time of preparation of this data sheet which ICI Paints believes to be reliable. However, no warranty is expressed or implied regarding the accuracy of this data. ICI Paints shall not be responsible for the use of this information, or of any product, method or apparatus mentioned and you must make your own determination of its suitability and completeness for your own use, for the protection of the environment, and the health and safety of your employees and the users of this material. Complies with OSHA hazard communication standard 29CFR1910.1200.

criteria of the CPR (controlled products regulations) and the MSDS contains all the information required by the CPR.

#### **Physical Data**

#### (ANSI Sections 1, 9, and 14)

Product Code	Description	Wt. / Gal.	VOC gr. / ltr.	% Volatile by Volume	Flash Point	Boiling Range	HMIS	DOT, proper shipping name
EM6911	glidden evermore exterior 100% acrlyic latex satin-pure white (base 1)	10.25	44.99	64.12	none	212-212	310	paint ** protect from freezing **
EM6912	glidden evermore exterior 100% acrlyic latex satin-base 2	9.40	47.97	68.22	none	212-212	310	paint ** protect from freezing **
EM6913	glidden evermore exterior 100% acrlyic latex satin-base 3	9.35	49.00	69.10	none	212-212	*310	paint ** protect from freezing **
EM6924	glidden evermore exterior 100% acrlyic latex satin-white	10.14	45.41	64.43	none	212-212	310	paint ** protect from freezing **

#### Ingredients

#### Product Codes with % by Weight (ANSI Section 2)

Chemical Name	Common Name	CAS. No.	EM6911	EM6912	EM6913	EM6924
titanium oxide	titanium dioxide	13463-67-7	10-20	1-5		10-20
cristobalite	crystalline silica, cristobalite	14464-46-1			.1-1.0	
2-propenoic acid, 2-methyl-, methyl ester, polymer with butyl 2-propenoate	acrylic polymer	25852-37-3		20-30		
nepheline syenite	feldspar-type minerals	37244-96-5	1-5	10-20	10-20	5-10
ceramic materials and wares, chemicals	calcined kaolin day	66402-68-4	1-5			1-5
kieselguhr, soda ash flux-calcined	silica, diatomaceous earth	68855-54-9			.1-1.0	
water	water	7732-18-5	50-60	50-60	50-60	50-60
acrylic resin	acrylic resin	Sup. Conf.	10-20		20-30	10-20
defoamer, oil-based	oil based defoamer	Sup. Conf.		1-5		

#### **Chemical Hazard Data**

#### (ANSI Sections 2, 8, 11, and 15)

	`																	
			ACGIH-TLV			OSHA-PEL				S.R.	62	<b>S3</b>	~					
Common Name	CAS. No.	8-Hour TWA	STEL	С	S	8-Hour TWA	STEL	С	S	Std.	32	33	~	Н	М	N		0
titanium dioxide	13463-67-7	10 mg/m3	not est.	not est.	not est.	10 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	У	У	n
crystalline silica, cristobalite	14464-46-1	.025 mg/m3	not est.	not est.	not est.	0.05 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	У	У	n
feldspar-type minerals	37244-96-5	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
calcined kaolin clay	66402-68-4	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n
silica, diatomaceous earth	68855-54-9	10 mg/m3	not est.	not est.	not est.	6 mg/m3	not est,	not est.	not est.	not est.	n	n	n	n	n	n	n	n
oil based defoamer	Sup. Conf.	5 mg/m3	not est.	not est.	not est.	5 mg/m3	not est.	not est.	not est.	not est.	n	n	n	n	n	n	n	n

Footnotes:

C=Ceiling - Concentration that should not be exceeded, even instantaneously.

S=Skin - Additional exposure, over and above airborn exposure, may result from skin absorption. n/a=not applicable not est=not established CC=CERCLA Chemical ppm=parts per million mg/m3=milligrams per cubic meter Sup Conf=Supplier Confidential S2=Sara Section 302 EHS S3=Sara Section 313 Chemical S.R.Std.=Supplier Recommended Standard H=Hazardous Air Pollutant, M=Marine Pollutant P=Pollutant, S=Severe Pollutant Carcinogenicity Listed By: N=NTP, I=IARC, 0=OSHA, y=yes, n=no

Form: EM69XX, Page 2 of 2, prepared 08/29/07

8 J. 35



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

## Waste Pre-Acceptance/Approval Letter

Date 9/24/2008

Dear Marcia Folmsbee

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # -3003

**Expiration Date** 9/24/2010

**Generator:** Manufacturing Packaging Products **Address:** 10000 W Sam Houston Pkwy N

Houston, TX 77064

Waste Information

Name of Waste: Nonhazardous waster filter press solids

TCEQ Waste Code #: CESQ3912

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Filter press solids from the treatment of a wasterwater treatment system from a packaging

manufacturer.

Color: varies

Odor: none

pH: na

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

level d ppe

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



## **CES Environmental** Services, Inc.

4904 Griggs Road Phone: (713) 676-1460

Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Mate							
Company:	Manufacturing P						
Address:	10000 W Sam H		N				
City, State, Zip: Contact:	Houston, TX 770 Marcia Folmsber			Title:	Manag	am ant	
Phone No:	713-329-5678	<u> </u>		Fax No:	Manag	-894-66-7/	
24/hr Phone:	281_894_5671	281-517-	6622	_ Faz No.	<u> </u>	619-10 //	<del></del>
U.S. EPA LD. No:	TXCESQG	201311	معرب ب				
State L.D.	CESQG		······································	SIC Code	:		
SECTION 2: Billin Company: Address:	g Information – 🗵	Same as Ab	ove				
City, State, Zip:		···				<u>.                                    </u>	
Contact:			Title:				·
Phone No:			Fax No:				
SECTION 3: Gene	ral Description of	the Material /	Product				
Name of Material / Detailed Description water treatment syste	n of Process Gener	ating or Prod	ucing the Mate		t: <u>Filter pre</u>	ess solids from the t	treatment of a waste
Physical State:	☐ Liquid ⊠ Solid	Slud	ge r Cake	Powder Combina	ntion		·.
Color: Varies		Odor: None					
Color. <u>Fatics</u>	- مام،	Out. 11000	100-				
Specific Gravity (w	ater=1): 1-1.3	Density	: 9-10 10s/gal				
Does this material o	ontain any total p	henolic comp	ounds? 🔲 Yes	⊠ No			
Does this material o	ontain any para st	ibstituted pho	enolic compoun	ds? 🗌 Yes	⊠ No		
Layers:	Single-phas	æ 🗆	Multi-phase			•	
Container Type:	⊠ Drum	☐ Tot	te [	] Truck		] Other (explai	n)
Container Size:	<u>55 Gal</u>		<del></del>	<del></del>			
Frequency: Number of Units (c	☐ Weekly ontainers): <u>1-20</u>		onthly [	] Quarter	rly 🗀	] Yearly	
Proper U.S. DOT S	hinning Name.		RCRA Waste F	Silter Cake So	lids		
_			WATER IA GOID T				
Class: Na	UN	/NA: Na		PG:	Na	RQ:	Na

Flash Point >200	pH Na	N/A	N/A	Solid 1009	-
Oil&Grease	TOC	Zinc	Copper	Nickel	
<150mg/i	Namg/I	Namg/I	Namg/i	Namg/I	····
SECTION 4: Ph	vsical and Chemi			Sector form the satisfactor	
The mai		NENTS FABLE Insists of the following mat	erials R	Concentration anges are acceptable	Units or %
Filter Cake Solid		Abbits of the following man	100	inges are acceptable	%
h"					
				· · · · · · · · · · · · · · · · · · ·	
SECTION 5: Sa	fetv Related Data				
If the handling o		: roduct requires the use of	special protective equ	ipment, please expla	in.
Level D PPE					
SECTION 6: At	tached Supportin	g Documents			
List all documen <u>Analysis</u>	ts, notes, data, an	d/or analysis attached to ti	his form as part of the	e material / product p	rofi <b>le.</b>
SECTION 7: In	compatibilities				
Please list all inco None	ompatibilities (if a	any):			
SECTION 8: M	aterial Producer's	s Certification			
The information of attached descriptions of com	contained herein is ion is complete au position propertie	based on generator known daccurate to the best of a sexist and that all known dials described by this documents.	my knowledge and abor suspected hazards h	ility to determine that ave been disclosed. I	no deliberate or will certify that the materi
Authorized Sign	7,	melk		Date: 9-23-	\ <u>Z</u>
Printed Name/T	itle:	ioe Brahwe		-	
	O NOT WRITE IN TI	HIS SPACE)		A MARKATAN A A A A A A A A A A A A A A A A A A	
Technical Manage		enderly d			
Date: <u>9-21</u>	1-08	Approved Rejected		•	

30*03* 

Approval Number:



#### PROCESS FACILITY INFORMATION (CES USE ONLY!!)

l.	Base Pricing (including freight):
	\$33/dm
	Plus Trans \$70/hr plus FSC
	•
l	
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2.	Contamination Limits (maximum limit before surcharges apply):
	Non compliance with profile
ļ	
1	
	Complexed D. Color
3.	Surcharge Pricing:
	NA
ı	
į	
4.	Special Testing Requirements:
<b>.</b>	
	None
İ	
ı	
5.	Treatment and Handling Protocol:
1	
	Class 2 Solids to Landfill
L	
5.	Treated Wastewater Discharge Subcategory:
ſ	
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C
ĺ	
- 1	



#### PROCESS FACILITY INFORMATION (CES USE ONLY!!)

	1 ests for Product Recovered/Recycled (II applicable):
	Na
3.	Management for Product Recovered/Recycled (if applicable);
3.	Management for Product Recovered/Recycled (if applicable):  Na
3.	
3.	
3.	
3.	

#### LABORATORY TEST RESULTS

Job ID: 08080719

Date 9/4/2008

Client Name:

MPP-Houston

Attn: Marcia Folmsbee

Project Name:

Client Sample ID:

Filter Cake

Job Sample ID: Sample Matrix 08080719.01

Solid

Date Collected: 08/22/08

Time Collected: Other Information:

Test Method	Parameter/Test Description	Result	Units	ÐF	Rpt Limit	Reg Limit Q	Date Time	Analyst
SW-846 6010C	TCLP Metals						-	
	Antimony	BRL	mg/L	1	0.1	1	08/26/08 21:37	SS
	Arsenic	BRL	mg/L	1	0.1	1.8	08/26/08 21:37	SS
	Barium	0.137	mg/L	1	0.1	100.0	08/26/08 21:37	SS
	Beryllium	BRL	mg/L	1	0.08	0.08	08/26/08 21:37	SS
	Cadmium	BRL	mg/L	1	0.1	0.5	08/26/08 21:37	SS
	Chromium	BRL	mg/L	1	0.1	5.0	08/26/08 21:37	SS
	Lead	BRL	mg/L	1	0.1	1.5	08/26/08 21:37	SS
	Nickel	BRL	mg/L	1	0.1	70	08/26/08 21:37	SS
	Selenium	BRL	mg/L	1	0.5	1.0	08/26/08 21:37	SS
	Silver	BRL	mg/L	1	0.1	5.0	08/26/08 21:37	SS
SW-846 7470A	TCLP Metals, Mercury							
	Mercury	BRL	mg/L	1	0.002	0.2	08/29/08 23:55	BS
X 1005	Total Petroleum Hydrocarbons							
	C6-C12	59.4	mg/Kg	1	12.7	•	08/25/08 17:15	WS
	>C12-C28	384	mg/Kg	1	18.2		08/25/08 17:15	WS
	>C28-C35	117	mg/Kg	1	19.6		08/25/08 17:15	WS
	Total C6-C35	560.4	mg/Kg	1		- (L)	08/25/08 17:15	WS
	1-Chlorooctane(surr)	N/A	%	1	50-149	S5	08/25/08 17:15	WS
	Chlorooctadecane(surr)	N/A	%	1	50-149	S5	08/25/08 17:15	WS

#### QUALITY CONTROL CERTIFICATE



**Job ID:** 08080719

Date:

9/4/2008

Analysis : TCLP Metals

Method :

SW-846 6010C

Reporting Units : mg/L

QC Batch ID: Qb08082639

Created Date: 08/26/08

Created By: Ssrinivasan

Samples in This QC Batch:

08080719.01

PB08082528

Ssrinivasan

Digestion:

TCLP Prep:

PB08082620

Prep Method: SW-846 3010A Prep Method: SW-846 1311

Prep Date: 08/26/08 10:00 Prep By: Prep Date: 08/25/08 17:30 Prep By:

Ksudha

QC Type: Method B	lank					
Parameter	CAS #	Result	Units	D.F.	RptLimit	Qual
Antimony	7440-36-0	BRL	mg/L	1	0.1	
Arsenic	7440-38-2	BRL	mg/L	1	0.1	
Barium	7440-39-3	BRL	mg/L	1	0.1	
Beryllium	7440-41-7	BRL	mg/L	1	0.08	
Cadmium	7440-43-9	BRL	mg/L	1	0.1	
Chromium	7440-47-3	BRL	mg/L	1	0.1	•
Lead	7439-92-1	BRL	mg/L	1	0.1	
Nickel	7440-02-0	BRL	mg/L	1	0.1	
Selenium	7782-49-2	BRL	mg/L	1	0.5	
Silver	7440-22-4	BRL	mg/L	1	0.1	

QC Type: LCS an	id LCSD									····
Parameter	LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual
Antimony	2	2.00	100	2	2.04	102	1,98	20	80-120	
Arsenic	2	2.02	101	2	2.07	104	2,44	20	80-120	1
Barium	2	1.87	93.5	2	1.88	94	0.53	20	80-120	
Beryllium	2	1.96	98	2	1.97	98.5	0.50	20	80-120	
Cadmium	2	1.96	98	2	1.99	99.5	1.52	20	80-120	1
Chromium	2	1.91	95.5	2	1.93	96.5	1.04	20	80-120	
Lead	2	1.96	98	2	1.98	99	1.02	20	80-120	
Nickel	2	1.90	95	2	1.93	96.5	1.57	20	80-120	
Selenium	2	2.06	103	2	2.11	106	2,40	20	80-120	
Silver	2	1.99	99.5	2	2.02	101	1.50	20	80-120	

QC Type: MS a	and MSD		1.		٠.			٠.,				٠
QC Sample ID:	08080	497.01	٠.,		•						1.11	
Parameter		Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
Antimony		BRL	2	2.05	103						70-130	
Arsenic		BRL	2	2.09	105			}			45-138	
Barium		0.250	2	2.13	94						39-135	
Beryllium		BRL	2	2.01	101	1				1	70-130	
Cadmium		BRL	2	2.01	100						56-125	
Chromium		BRL.	2	1.95	97.3			1			52-125	
Lead		BRL	2	2.03	99.4						55-125	

Refer to the Definition page for terms.

#### QUALITY CONTROL CERTIFICATE



**Job ID:** 08080719

Date:

9/4/2008

Analysis : TCLP Metals

Method:

SW-846 6010C

Reporting Units : mg/L

QC Batch ID: Qb08082639

Created Date: 08/26/08

Created By: Ssrinivasan

Samples in This QC Batch: 08080719.01

QC Type: MS a	nd MSD											
QC Sample ID:	08080497.01				* .							
_	Sample	MS	MS	MS	MSD	MSD	MSD		RPD	%Rec		
Parameter	Result	Spk Added	Result	% Rec	Spk Added	Result	% Rec	RPD	CtrlLimit	CtrlLimit	Qual	
Nickel	BRL	2	1.93	96.5						70-130		
Selenium	BRL	2	2.14	107						18-137		
Silver	BRL	2	2.06	103	1				1	26-148		

Refer to the Definition page for terms.

#### QUALITY CONTROL CERTIFICATE



Job ID: 08080719

Date:

9/4/2008

Analysis: Total Petroleum Hydrocarbons

Method:

TX 1005

Reporting Units : mg/Kg

Samples in This QC Batch:

08080719.01

Created By : Dshen

Sample Preparation: PB08082820

Prep Method: TX 1005

Prep Date: 08/25/08 16:00 Prep By:

QC Type: Method Blank							
Parameter	CAS #	Result	Units	D.F.	RptLimit		Qual
C6-C12		BRL	mg/Kg	i	12.7		T
>C12-C28		BRL.	mg/Kg	1	18.2		ļ
>C28-C35		BRL	mg/Kg	1	19.6		
Total C6-C35		BRL.	mg/Kg	1			

QC Type:	LCS and LCS	D										
Parameter		LCS Spk Added	LCS Result	LCS % Rec	LCSD Spk Added	LCSD Result	LCSD % Rec	RPD	RPD CtrlLimit	%Recovery CtrlLimit	Qual	
C6-C12		500	546	109	500	537	107	1.66	20	75-125		
>C12-C28		500	600	120	500	566	113	5.83	20	75-125		
>C28-C35		500	552	110	500	513	103	7.32	20	75-125		

QC Type: MS ar											
QC Sample ID:	08080723.01										
Parameter	Sample Result	MS Spk Added	MS Result	MS % Rec	MSD Spk Added	MSD Result	MSD % Rec	RPD	RPD CtrlLimit	%Rec CtrlLimit	Qual
C6-C12	BRL	500	573	112	500	599	117	4.53	20	75-125	
>C12-C28	BRL	500	534	105	500	494	97.4	7.89	20	75-125	
>C28-C35	27.2	500	469	88.4	500	532	101	13.3	20	75-125	1

10100 East Fwy (I-10) Ste. 100	11 09 0 100		PORT				12				, 10 0	Lega		E TO:			3.	0 #			
Houston, TX 77029	Company:	100- H	Z JES	ter	)		1	'Amr			٥,	<u>~~~</u>		10i			J., I	₩ 17			
713-453-6060	Address:	1000 h	1 6	rur	H	واوي ا		ddre	arıy.	_		over	<del></del>				4. 1	urnarour	nd Time	(Busines	ss Davs)
1-877-478-6060 Toll Free 713-453-6091 Fax	Address	000_0		<del>~~</del>	<i>,</i> , ,	<u></u>		gauro:	<b>.</b>				<u>.</u>					1 Day*		Other	
ablabs.com	market market	irci's	-	ma	ء مط	<del></del>	$\neg$	Conta	<b>-</b> 4.	-		***************************************						2 Days*			
&B JOB ID # A The C1 1 A	Contact: 28	1517-	86	22		<del></del>		onia Phone		_							ĺ		**	ta	!!
8B JOB ID # 08086719	Fax: 0 29	1517- 31-894	1-1	6	7/			ax: C		-								3 Days*		-	e applies
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Reporting Requirement:											16. P	H-Lab (	Only	<u> </u>	<del></del>				J	L	
TRRP Limits only	Attached     Standa	ord I evel II								ers	17.		/	/ /	/ /			/ /			
Sampler's Name & Company (PLEASE PRINT)	Sampler's Si		ate							itain	'''	.8 <u>.</u>	, /						/ /		
	•	-								of Containers		Sea Me House	/ /	/ /	/ /	/	Ι,	/ /			
9. Sample ID and Description	10. Sa	ampling	11	. 12.		Ma	atrix			8 9		Sell'									
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Filter Cake	Date	Time		Water	Soil	Sludge	ö	Air	Other							/			18.	REMAR	KS
MA Filter Calse	5-200	2	$\top \uparrow$	$\top$						┢							1	<u> </u>			
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	er/Glass 1 Liter		**Prese	ervativ		- Cool H - Nac	─ <del>─</del> ॏ		- HCI			- HNO <sub>3</sub> - Other _	8	- H <sub>2</sub> SO <sub>4</sub>	•		Intack	Y Or N	Initia	ls <u>Y</u>	<u>).(?</u>
4 oz/8 oz - glass wide mouth P/O - Pla: ETHOD OF SHIPMENT	stic/other		BILL	OF LA		/TRAC			- Na <sub>2</sub>	O₂O₃		- Other _						A&B can	not accep	verbal cha	anges
	ENTAI						_ , 411 \$				· · ·			WW				ease FAX w		<del></del>	
AB USE ONLY SAMPLING — F	ENTAL	P/	U							***************************************					entre property and appropriate			Samples wil <del>A&amp;B reserv</del>			



## **Sample Condition Checklist**

Date: 09/04/08

\&B	JobID: 0808071	9	Date Receive	d: <b>08/</b>	22/2008		Time	Received:	3:35PM		
lier	nt Name: MPP-Hou	ston		<del>'(1' - '' </del>	**************************************	*****				······································	
em	perature : 23.1°C		Sample pH:	N/A							
Ė.											
		ngarusaan pajuking		heck Po		a wasan di paga mandan .	-	omparjula, 151.151.		Yes	No
	Cooler seal present ar	nd eignod					,		·	N/A	
<u></u>	Sample(s) in a cooler.								······	X	
	If yes, ice in cooler.							***************************************	····	<del>  ^</del> -	X
	Sample(s) received w	ith chain-o	f-custody.				w w		····	X	
 i.	C-O-C signed and date										X
j.	Sample(s) received w	<del></del>	sample custody se	eal.						N/A	<del>                                     </del>
7.	Sample containers are			<del></del>					**************************************	X	<b></b>
	Matrix Water		iquid Sludge	Solid	Cassette	Tube	Bulk	Badge	Food	Oth	er
3.	i –	<b>Y</b>									}
),	Sample(s) were receive	ved in appr	opriate container(	s).			<del></del>			х	
0.	Sample(s) were receiv	ved with pr	oper preservative								
1.	All samples were logg	ed or label	ed.							х	
2.	Sample ID labels mate	ch C-O-C II	D's							Х	
3.	Bottle count on C-O-C	matches b	ottles found.							Х	
4.	Sample volume is suff	icient for a	nalyses requested							х	
5.	Samples were receive	d within th	e hold time.							х	
6.	VOA vials completely	filled.								N/A	
7.	Sample accepted.									Х	
om	ments : Include actions	taken to r	esolve discrepanc	ies/probl	em:						
	le was received in a cooler etals analyses is needed. Al				lyses section ti	lled out. Per	Sample Ki	t Request Fo	m, IPH 10	05 and 1	CLP
		: .									
ece	eived by : Mperalta				Check in	by/date:	Mperalta	08/22/200	)8		
	e: 713-453-6060										

#### Laboratory Analysis Report

Total Number of Pages:

Job ID: 08080719



10100 East Freeway, Suite 100, Houston, TX 77029 tel: 713-453-6060, fax: 713-453-6091, http://www.ablabs.com

Client Project Name:

Report To:

Client Name:

Client Address:

MPP-Houston

Marcia Folmsbee

10000 W Sam Houston Pkwy North

City, State, Zip: Houston, Texas, 77064

P.O.#.:

Sample Collected By: Date Collected: 08/22/08

A&B Labs has analyzed the following samples...

Attn:

Client Sample ID

Matrix

A&B Sample ID

Filter Cake

Solid

08080719.01

Sonia West

Released By: Sonia West

Title:

Senior Project Manager

Date:

9/4/2008



This Laboratory is NELAP (T104704213-08-TX) accredited. Effective: 07/01/2008; Expires: 06/03/2009 Scope: Non-Potable Water, Drinking Water, Air, Solid, Hazardous Waste

I am the laboratory manager, or his/her designee, and I am responsible for the release of this data package. This laboratory data package has been reviewed and is complete and technically compliant with the requirements of the methods used, except where noted in the attached exception reports. I affirm, to the best of my knowledge that all problems/anomalies observed by this laboratory (and if applicable, any and all laboratories subcontracted through this laboratory) that might affect the quality of the data, have been identified in the Laboratory Review Checklist, and that no information or data have been knowingly withheld that would affect the quality of the data.

This report cannot be reproduced, except in full, without prior written permission of A&B Labs. Results shown relate only to the items tested. Samples are assumed to be in acceptable condition unless otherwise noted. Blank correction is not made unless otherwise noted. Air concentrations reported are based on field sampling information provided

Date Received: 08/22/2008 15:35

#### LABORATORY TERM AND QUALIFIER DEFINITION REPORT



Job ID: 08080719

Date:

9/4/2008

General Term Definition

Back-Wt

Back Weight

BRL

**Below Reporting Limit** 

çfu

colony-forming units Concentration

Conc. D.F.

Dilution Factor

Front-Wt

Front Weight

LCS

Laboratory Check Standard

LCSD

Laboratory Check Standard Duplicate

Matrix Spike

MS

MSD

Matrix Spike Duplicate

Molecular Weight

Post-Wt ppm Pre-Wt

RegLimit

**RptLimit** 

RPD

surr

TNTC

Post Weight parts per million Previous Weight

Qualifier

Regulatory Limit

Relative Percent Difference Reporting Limit

Surrogate

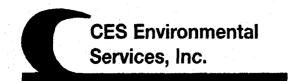
Time Too numerous to count

MW Qualifier Definition

**S5** 

Target compounds caused elevation of baseline. Surrogate not calculated

4++ 2962 Wilson



## Waste Pre-Acceptance/Approval Letter

Date 8/27/2008

Dear Jesse Lopez

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile# 2962

Expiration Date 8/27/2010

Generator: Wilson Address: 1302 Conti

Houston, TX 77002

Waste Information

Name of Waste: RCRA empty fiberglass tank with oil, lead residue

TCEQ Waste Code #: 30124061

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Damaged empty fiberglass tank with oil with lead residue

Color: off white

Odor: none

pH: neutral

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.





GB

4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com

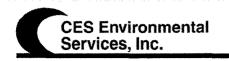
TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

**SECTION 1: Generator Information** Company: Wilson 1302 Conti Street Address: 77002 City: Houston State: ΤX Zip: Contact: Tyra Blackshear Title: Fax Number: 281.233.5982 **Phone Number:** 281.233.5346 24/hr Phone Number: 281.233.5346 **US EPA ID No:** TXD981913817 74212 SIC Code: State ID No: **SECTION 2: Billing Information -**✓ Same as Above Company: Address: City: State: Zip: Contact: Title: **Phone Number:** Fax Number: **SECTION 3: General Description of the Waste** Name of Waste: RCRA empty fiberglass tank 🔾 ; 🎮 oil, Lead **Detailed Description of Process Generating Waste:** Damaged empty fiberglass tank with oil with lead residue **Physical State:** Liquid Sludge **Powder**  $\overline{}$ Solid Filter Cake Combination Odor: Color: off white none Specific Gravity (water=1): Density: lbs/gal na na Does this material contain any total phenolic compounds? ✓ No Does this material contain any para substituted phenolic compounds? Yes ✓ No Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ✓ No Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following: 2834 2812 2813 2816 2819 2821 2822 2823 2824 2833 2835 2836 2841 2842 2843 2844 2851 2861 2865 2869 2873 2874 2876 2879 2891 2892 2893 2896 2899 2911 3312 4953 4959 9511 Multi-phase Layers: Single-phase **Container Type:** ☐ Drum ☐ Tote ☐ Truck ☑ Other (explain) Frequency: Weekly Monthly Yearly One-Time

Is this a USEPA "Hi If "Yes", then plea	azardous Waste" p se complete, sign an	er 40CFR 261. d date the Und	3? erlying Haz	Ye: ardous Constitue		No ached hereto		
If "Yes", Is it: Characteristic for 1 Characteristic for 1	D001 (Ignita  Toxic Metals:  Toxic Organics: D01	☐ D004	□ D01	5 🔲 D006	D003 (Rea	ctive) ' D008	e000 [	
Is this an "F" or "K If "Yes", then ple	" Listed waste or m ase list ALL applica		1?	☐ Yes		No		
Is this a commercia 40 CFR 261.33(e) o If "Yes", then ple		□ Y	_	a "U" or "P" wa	ste code ur	nder		
Texas State Waste			******************	anno anno anno anno anno anno anno anno	30124061	<u>.</u>		
Proper US DOT Shi	oping Name: UN/NA:	Non RCRA n	PG:	gulated materia na	RQ:	na		
Flash Point		Н	React	ive Sulfides	Reactive	Cyanides	Soli	ds
>200	nei	utral	0	<u>mg/l</u>	0	mg/l	100	%
Oil & Grease		OC mg/l	na	Zinc mg/l	Col	pper mg/l	Nicl	cel
SECTION 4: Physica	COMPONENTS TA	\BLE			CONCENT	RATOIN		UNITS
	consists of the foll		ils		Ranges are			or%
ĸ	CRA empty fibergla	SS TATIK		A	10			%
							·	
	A ANTONIO							
								TO ALIEN AND A LOCAL BANK

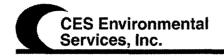
PECTION 2: Pateth	Kelated nata	
If the handling of th	his waste requires the use of special protective equi	ipment, please explain.
Standard		•
		or to the second
SECTION 6: Attach	ed Supporting Documents	
List all documents,	notes, data and/or analysis attached to this form as	s part of the waste
approval package.	•	•
	Were	
	- V V	
SECTION 7: Income		
	mpatibilities (if any):	
None known		
***************************************	A.	
SECTION S. Ganara	ator's Knowledge Documentation	
		MAC NOT DEDECOMED
•	of the hazardous waste characteristics, listed below	W, WAS NOT PERFORINGED
based upon the follo	owing generator knowledge:	
TO B & A - b - f - c		
TCLP Metals:	X	
TCLP Volatiles:	X	
TCLP Semi-Volatiles	×	
Reactivity:	X	
Corrosivity:	×	
Ignitability:	x	
Facilities) Is this n	material a wastewater or wastewater sludge? Yes', complete this section.	-Treatment Requirements for Centralized Waste Treatment  YES INO
	,	
PLEASE	CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE C	ATEGORY, GO TO THE NEXT PAGE.
Metals Subcategory:	: Subpart A	
	electroplating baths and/or sludges	
	inishing rinse water and sludges	
	ate wastes	
	ution control blow down water and sludges	
desired.	nodizing solutions ation wastewaters	
	liquid mercury	
	e-containing wastes greater than 136 mg/l	
	acids and bases with or without metals	
Cleanin	ng, rinsing, and surface preparation solutions from electi	roplating or phosphating operations
☐ Vibrato	ory deburring wastewater	
Alkaline	e and acid solutions used to clean metal parts or equipm	nent
Oils Subcategory: Su	ubpart B	
Used oi	,	
7777	ter emulsions or mixtures	
Lubrica		
Coolant		
	ninated groundwater clean-up from petroleum sources	
	etroleum products	
<u>=:</u> :	clean-up	
Bilge w		
☐ Rinse/v	wash waters from petroleum sources	

interceptor wastes
Off-specification fuels
Underground storage remediation waste
Tank clean-out from petroleum or oily sources
Non-contact used glycols
Aqueous and oil mixtures from parts cleaning operations
☐ Wastewater from oil bearing paint washes
Organics Subcategory: Subpart C
☐ Landfill leachate
Contaminated groundwater clean-up from non-petroleum sources
☐ Solvent-bearing wastes
☐ Off-specification organic product
☐ Still bottoms
Byproduct waste glycol
☐ Wastewater from paint washes
Wastewater from adhesives and/or epoxies formulation
Wastewater from organic chemical product operations
Tank clean-out from organic, non-petroleum sources
(1)
If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
and the constant of the consta
(2)
If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in
excess of the values listed below, the waste should be classified in the metals subcategory.
Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L
(3)
If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper
or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
☐ Metals Subcategory
Oils Subcategory
Organics Subcategory
SECTION 10 Additional Instructions
lf you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium
Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This
will be prior to acceptance. The generator will be responsible for the cost of the analysis.
SECTION 11: Generator's Certification
The information contained herein is based on
I hereby certify that the above and attached description is complete and accurate to the best of
my knowledge and ability to determine that no deliberate or willful omissions of compostion
properties exist and that all known or suspected hazards have been disclosed. I certify that the
materials tested are representative of all materials described by this document.
X/12/08
Authorized Signature: Date:
Printed Name/Title: 1462 K (SCHACL)
CES USE ONLY (DO NOT WRITE IN THIS SPACE)
SES OSE ONE! BO NO! WINTE IN THIS STACE!
and bland harm
Compliance Officer:
Date: <u>&amp; -17-0</u> X Approved Rejected
Approval Number: 1912



### PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
1. Base Pricing (including freight):  1. Base Pricing (including freight):  7 7 70 4 1 1 1 5 C
700
2. Contamination Limit (maximum limit before surchages apply):
NA I
3. Surcharge Pricing:
4. Special Testing Requirements:
5. Treatment and Handling Protocol;
Three / cut/11/2003e
5. Treatment and Handling Protocol;  Solids it removed may earry the RERA lead code. Solids must be handled  appropriately.  6. Treated Wastewater Discharge Subcategory:
6. Treated Wastewater Discharge Subcategory:
Subcategory A Subcategory B Subcategory C



### PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered	Recycled (if app	olicable):	-		
			<del></del>	<del></del>	<del> </del>
8. Management for Product Re	covered/Recycle	ed (if applicable)			
	<del>.</del>		<del></del>		



**Material / Product Approval Letter** 

Date 8/29/2008

Dear Jesse Lopez

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2963

**Expiration Date** 8/29/2010

Producer: Wilson
Address: 1302 Conti

Houston, TX 77002

Material / Product Information

Name of Material / Product Aerosol cans - Paint, break cleaner, stainless steel cl

Container Type: box

Detailed Description of Process Generating or Producing the Material / Product:

Unused out of spec product

Color: various

**Odor:** none (sealed cans)

pH: neutral

4904 Griggs Road Houston TX 77021

Tel. (713) 676-1460

Fax. (713) 676-1460

**Physical State:** 

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level C

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. Use Ok'd by maintenance.

# CES Environmental Services, Inc.

GB

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Materi	ial Producer Informa	iti <u>on</u>							
Company:	Wilson								
Address:	1302 Conti Street			<del></del> .					
City, State, Zip:	Houston, Texas 7700	02							
Contact:	Jesse Lopez	<u>-, , ,                                </u>	Title:						
Phone No:	713.237.3700		Fax No:	(713) 237	-3422				
24/hr Phone:	713.237.3700		_	-, -,					
U.S. EPA I.D. No:	TXD981913817		_						
State I.D.	74212		SIC Code:	NA					
SECTION 2: Billing Company: Address:	Information – 🔀 Sa	ame as Above		_					
City, State, Zip:									
Contact:		Title:							
Phone No:		Fax No:							
SECTION 3: General Description of the Material / Product  Name of Material / Product: Aerosol Cans- Paint, break cleaner, stainless steel cleaner (flammable propellant)  Detailed Description of Process Generating or Producing the Material / Product: Unused out of spec product									
Physical State:	<ul><li>☑ Liquid</li><li>☑ Solid</li></ul>	☐ Sludge ☐ Filter Cake ☐	Powder Combinatio	n					
Color: Various	Od	lor: none (sealed cans)							
Specific Gravity (wat	ter=1): <u>1.2</u>	Density: 9 lbs/gal							
Does this material co	ntain any total pheno	olic compounds? 🔲 Yes	⊠ No						
Does this material co	ntain any para substi	tuted phenolic compoun	ds? 🗌 Yes 🛛	⊠ No					
Layers:	<b>⊠</b> Single-phase	☐ Multi-phase							
Container Type:	□ Drum	☐ Tote ☐	Truck	$\boxtimes$	Other (explain)				
Container Size:					<u>boxes</u>				
Tuo auron or	<b>XX</b> ( . 1-1	□ Month! □	7 <b>O</b> wawtaw!	r <del>.,</del> /	Vocale				
Frequency:	☐ Weekly	Monthly [	<b>Quarterly</b>	[ A	Yearly				
Number of Units (cor	ntainers): <u>3</u>	Other: one time							
		Product							
Proper U.S. DOT Shi	ipping Name:	Aerosols, flammable	, 2.1, UN1950						
<b>Class:</b> 2.1	UN/NA	: UN1950	PG: na		RQ: na				

Flash Point	pН	N/A	N/A	Solids
<140	neutral			0%
Oil&Grease	TOC	Zinc	Copper	Nickel
>1500mg/l	<u>&gt;1500</u> mg/l	<u>0</u> mg/l	<u>0</u> mg/l	<u>0</u> mg/l

#### **SECTION 4: Physical and Chemical Data**

COMPONENTS TABLE	Concentration	Units
The material / product consists of the following materials	Ranges are acceptable	or %
Aerosol Cans - Paint	-20-40 60 0-5070-U	
Aerosol Cans- Break Cleaner	20-40 60 DE 20 1st	%
Aerosol Cans - Stainless	20-18 60 WW	%
		ļ
		<del> </del>

#### **SECTION 5: Safety Related Data**

If the handling of this material / product  $\,$  requires the use of special protective equipment, please explain. Level  $\underline{C}$ 

#### **SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the material / product profile. <a href="mailto:none">none</a>

#### **SECTION 7: Incompatibilities**

Please list all incompatibilities (if any): oxidizers

#### **SECTION 8: Material Producer's Certification**

The information contained herein is based on $\boxtimes$ generator knowledge and/or attached description is complete and accurate to the best of my knowledge omissions of composition properties exist and that all known or suspected ha tested are representative of all materials described by this document.	and ability to determine that no deliberate or willful
Authorized Signature:	Date:
Printed Name/Title:	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: Lobbudhanga	
Date: 8-29-08 Approved Rejected	
Approval Number: ZGL2	



### PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	5000/130x Yrans 700/1/11 4FT
2.	Contamination Limits (maximum limit before surcharges apply):
,	Synchouse Duising.
3.	Surcharge Pricing:
4.	Special Testing Requirements:
 5.	Treatment and Handling Protocol:
<b>5.</b>	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



### PROCESS FACILITY INFORMATION (CES USE ONLY!!)

г Г	Tests for Product Recovered/Recycled (if applicable):	
_		,
;	Management for Product Recovered/Recycled (if applicable);	
	Operations has oxid use of this material.  Halatenence	

2964 Wilson

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

## Waste Pre-Acceptance/Approval Letter

Date 8/29/2008

Dear Jesse Lopez

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2964

**Expiration Date** 8/29/2010

**Generator:** Wilson **Address:** 1302 Conti

Houston, TX 77002

Waste Information

Name of Waste: Nonhazardous water and oil based paint

**TCEQ Waste Code #: 30132091** 

**Container Type:** 

sac in a tote

**Detailed Description of Process Generating Waste:** 

out of date no longer used material - packed as a commodity pack

Color: various

Odor: latex like

pH: neutral

**Physical State:** 

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level c

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. Med PFI



DD

4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	ator Information				
Company:	Wilson				
Address:	1302 Conti				
City, State, Zip:	Houston, TX 770	02			
Contact:	Jesse Lopez	, , ,	Title:	HSE Mg	r.
Phone No:	713-237-3700		Fax No:	713-237-	
24/hr Phone:	CES-713-417-573	7			
U.S. EPA I.D. No:	TXD981913817				
State I.D.	74212		SIC Code:		
SECTION 2: Billing	z Information – 🛛	Same as Above			
Company:					
Address:					
City, State, Zip:					
Contact:		Title:		W. P	
Phone No:		Fax No	•	<del></del>	
- H4H4 / 144					
SECTION 3: Gener	al Description of th	ne Waste			
Name of Waste: No	n-Hazardous Water	and Oil Based Paint			
			No Longer Used M	laterial-Pac	ked as a commodity Pack
Physical State:	∠ Liquid	Sludge	☐ Powder		
•	⊠ Solid	Filter Cake	Combination	n	· La CD/14-FF
		hand a second grant			\$ 100
Color: Various		Odor: Latex Like			200/14
Color: <u>Various</u>		Outr. Latex Line			Trans 700/14 Trans 700/14
Specific Gravity (wa	nter=1): <u>1.2</u>	Density: 9 lbs/gal			r pps
	Cinola abasa	Multi-phas	•		
Layers:	Single-phase	Multi-phas	•		
Container Type:	□ Drum	☐ Tote	□ Truck	$\boxtimes$	Other (explain)
Container Size:		_			Sack in a Tote
Container Size.	do antendo en en estado en	<del></del>	***************************************		
Frequency:	☐ Weekly	Monthly	☐ Quarterly	$\boxtimes$	Yearly
, ,			<b>&amp;</b>	<u> </u>	A valid
Number of Units (co	,	Other:			
Texas State Waste (	Code No: 3	0132091			
Proper U.S. DOT S	hipping Name:	Non-RCRA; Non	-DOT Regulated M	laterial	
Class: NA	UN/I	NA: NA	PG: N	A	RQ: NA
		discourse and the second secon			
Flash Point	pH	Reactive Sulfides	Reactive (	vanides	Solids
>140 700	neutral	Omg/l	Omg/l	-Janzanes	60-90%
Oil&Grease	TOC	Zinc	Copper	N	ickel
>1500ma/l	>1600ma/l	Oma/I	Omed		ma/l

#### **SECTION 4: Physical and Chemical Data**

COMPONENTS TABLE	Concentration	Units or %	
The waste consists of the following materials	Ranges are acceptable		
Water/Oil Based Paint	100		
		·	

#### **SECTION 5: Safety Related Data**

If the handling of this waste requires the use of special protective equipment, please explain. Level  $\underline{C}$ 

#### **SECTION 6: Attached Supporting Documents**

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. <u>MSDS</u>

#### **SECTION 7: Incompatibilities**

Please list all incompatibilities (if any):

<u>oxidizers</u>

#### SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals:	<u>X</u>
TCLP Volatiles:	X
TCLP Semi-Volatiles:	X
Reactivity:	X
Corrosivity:	<u>X</u>
Ignitability:	X

Approval Number:

SECTION 9: Generator's Certification
The information contained herein is based on $\boxtimes$ generator knowledge and/or $\square$ analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.
Authorized Signature: Date: But
Authorized Signature: Date: 6-29-08  Printed Name/Title: Tyra R Garacci Facility HSE Specialist
CES USE ONLY (DO NOT WRITE IN THIS SPACE)
Compliance Officer: Robert Change Additional Information:
Date: 8-29-08 Approved Rejected

SE	CTION 10: Waste Receipt Classification Under 40 CFR 437
Is	this material a wastewater or wastewater sludge?   YES   NO
lf	'Yes', complete this section.
PI	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
Meta	als Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>Oils</u>	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Orga</u>	unics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the w	aste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.		
(2)	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.			
	Chromi Copper	m: 0.2 mg/L um: 8.9 mg/L : 4.9 mg/L 37.5 mg/L		
(3)	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.			
		Metals Subcategory		
		Oils Subcategory		

#### **SECTION 11: Additional Instructions**

**Organics Subcategory** 

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.







11:46

#### **View Waste Code with Submitted Changes** Facility SWR #: 74212 Data current as of: 08/11/2008

Please print this page.

This page confirms your submittal to the TCEQ.

Your confirmation number is 54617-517C6249914DC5052B198CDB8E79184F

You will also receive a confirmation e-mail.

Texas Waste Code:

30132091

Company Waste

**NON-HAZARDOUS PAINT** 

**Description: Origin Code:** 

7 - From a corrective action or closure

**New Chemical** 

Substance:

N

Management Location:

2 - Off-site

Management Units:

\*Recent changes to your cross references will be reflected here. To view

your copy of record, please search the submit log.

Status:

**ACTIVE** 

Recycled:

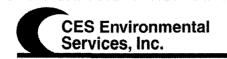
N

**Description:** 

Non-hazardous paint waste from expired and damaged product

This record has been submitted to the TCEQ. No additional changes can be made to this waste code information until these changes appear in the official TCEQ data on this web site.

List Wastes



#### PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
# 100 tate Trans 18 30/hr + FSC
Trans 10 30/hr + FSC
2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing:
4. Special Testing Requirements:
5. Treatment and Handling Protocol:
CLASS I Sludge Bax
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



### PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):	 	
8. Management for Product Recovered/Recycled (if applicable)		



### SECTION 4 – FIRST AID MEASURES

Eye contact: Flush eyes with clean water for 15 minutes. Seek medical attention.

**Skin contact:** Thoroughly wash with soap and warm water before the coating dries.

Thoroughly wash all contaminated clothing. If irritation persists, seek medical

attention.

**Inhalation:** If irritation occurs, remove to fresh air and seek medical attention if cough or

other symptoms develop.

**Ingestion:** Do not induce vomiting. Seek medical attention.

Note to Physician: Treat symptomatically. This material is basically non-toxic. A small

quantity (approximately one tablespoon) is unlikely to cause harm.

### **SECTION 5 – FIRE FIGHTING MEASURES**

Flash Point (method):

N/D (est. >200°F)

Extinguishing Media:Use water spray, foam, or carbon dioxide when fighting fires involving this material.

**Protection of Firefighters:** As in any fire, wear NIOSH approved self-contained breathing apparatus pressure-demand and full protective gear.

Fire and Explosion Hazards: Material will not burn.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Slippery: can cause slips and falls if walked on.

Clean Up Methods: Contain spill with sand or other diking material. Soak up small spills with absorbent material. Dispose of in accordance with federal, state, and local regulations.

(See also Section 8 for information on Exposure Controls and Personal Protective Equipment.)

NA: Not Applicable N/D: Not Determined N/E: Not Established N/R: Not Required Modern Masters®, Incorporated, 13201 Saticoy Street, North Hollywood, California 91605

MSDS Code: DP-601 Decorative Painter's Crackle Base MSDS (4/4/2003)

Est.: Estimated 818-765-2915

RSDS Code: DP-601 Decorative Painter's Crackle Base MSDS (4/4/2003)

Page 2 of 10 pages





### SECTION 7 – HANDLING AND STORAGE

**Handling:** Avoid prolonged or repeated contact with skin. Avoid contact with eyes. Wash hands after use with soap and warm water.

Storage: DO NOT ALLOW PRODUCT TO FREEZE. Keep container tightly closed when not in use. Do not reuse container and properly dispose after use.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** If necessary, use general room dilution ventilation, process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

### Personal Protective Equipment (PPE):

**Eye Protection:** Eye contact should be avoided. Where eye contact is likely, wear chemical splash goggles and/or full-face shield.

**Skin Protection:** Wear gloves to prevent prolonged skin contact.

**Respiratory Protection:** None needed under normally anticipated use conditions. If vapor levels exceed allowable limits, wear a NIOSH approved air-purifying respirator with an organic vapor cartridge.

General Hygiene Practices: Avoid eye and skin contact. Avoid breathing vapors. Wash hands with soap and warm water before eating, drinking, or using the toilet.



### SECTION 9 – PHYSICAL DATA

Appearance:

Translucent white flowable liquid Odor:

Mild odor

**Physical State:** 

Liquid

pH:

7 to 11

**Boiling Point:** 

Above 200°F

**Melting Point:** 

<32°F

Vapor Pressure: N/D

Vapor Density:

N/D

Odor Threshold:

N/D

Viscosity:

50 to 1000

Solubility in Water: Dilutable in water

**Specific Gravity** (water = 1): 0.9 to 1.2

Material VOC:

Material, less water, contains less than 10 grams per liter Volatile Organic

Compounds.

## SECTION 10 - STABILITY AND REACTIVITY

Stability:

Stable, non-reactive

Incompatibility:

Strong acids or strong alkalis

Hazardous Polymerization:

Will not occur

Hazardous Decomposition Products:

None known

### **SECTION 11 – TOXICOLOGICAL INFORMATION**

Carcinocenicity: This material is not considered a carcinogen by IARC or NTP and is not regulated as a carcinogen by OSHA.

(See also Section 15 for related information.)

NA: Not Applicable N/D: Not Determined N/E: Not Established N/R: Not Required Est.: Estimated Modern Masters®, Incorporated, 13201 Saticov Street, North Hollywood, California 91605 818-765-2915 MSDS Code: DP-601 Decorative Painter's Crackle Base MSDS (4/4/2003) Page 5 of 10 pages



### SECTION 12 – ECOLOGICAL INFORMATION

Chemical Fate and Effects: No data available.

### SECTION 13 – DISPOSAL CONSIDERATIONS

Recommended Waste Disposal Method: This material is not considered hazardous waste under Federal Hazardous Waste Regulations (40CFR 261). However, state and local requirements for waste disposal may be more restrictive or otherwise differ from federal regulations. Chemical additions, processing, or otherwise altering this material may render the waste management information presented in this MSDS incomplete, inaccurate, or otherwise inappropriate. Consult all applicable federal, state, and local regulations regarding the proper disposal of this material.

### SECTION 14 - TRANSPORTATION INFORMATION

Regulated by the DOT:

Not regulated

**DOT Proper Shipping Name:** 

Paint



### Section 15 – Regulatory Information

### **CERCLA:**

The Comprehensive Environmental Response Compensation and Liability Act of 1980 (CERCLA) requires notification to the National Response Center for releases of quantities of Hazardous Substances equal to or greater than the reportable quantities (RQs) in 40 CFR 302.4 (for CERCLA 102).

Components present in this product at a level which could require reporting under the statute are:

Chemical Name

CAS # N/A

Maximum Concentration (Wt. %)

none

N/A

#### SARA Title III, section 311/312:

The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQs) in 40 CFR 355 (used for SARA 302, 304, 311, and 312).

Components present in this product at a level which could require reporting under the statute are:

Chemical Name

Maximum Concentration (Wt. %)

none

N/A

### SARA Title III, section 313:

The Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313).

Components present in this product at a level which could require reporting under the statute are:

Chemical Name

CAS#

Maximum Concentration (Wt. %)

none

### **TSCA:**

NA: Not Applicable N/D: Not Determined N/E: Not Established N/R: Not Required Est.: Estimated Modern Masters®, Incorporated, 13201 Saticoy Street, North Hollywood, California 91605 818-765-2915 MSDS Code: DP-601 Decorative Painter's Crackle Base MSDS (4/4/2003) Page 7 of 10 pages



The components of this mixture are listed in the Toxic Substance Control Act Inventory of Chemical Substances.

This product does not contain any chemicals that would require export notification under Section 12(b) of the TSCA regulation.



### **SECTION 16 – OTHER INFORMATION**

N/A: Not Applicable Legend:

N/E: Not Established

STEL: Short Term Exposure Limit

cps: Centipoise

PPM: Parts Per Million

**PEL:** Permissible Exposure Limit

**N/D:** Not Determined

N/R: Not Required C: Ceiling Value

mg/m³: milligrams per cubic centimeter

PPB: Parts Per Billion

**TLV:** Time Weighted Average

mppcf: million particles per cubic foot of air

**ACGIH:** American Conference of Governmental Industrial Hygienists

CPSC: Consumer Product Safety Commission **DOT:** US Department of Transportation FHSA: Federal Hazardous Substance Act

OSHA: Occupational Safety and Health Administration (US Dept. of Labor)

RCRA: Resource Conservation and Recovery Act SARA: Superfund Amendment and Reauthorization Act

**TSCA:** Toxic Substance Control Act

### **HMIS Key**

4 = Severe Hazard

3 = Serious Hazard

2 = Moderate Hazard

1 = Slight Hazard

0 = Minimal Hazard

Prepared by: Modern Masters Regulatory Compliance Manager,

Technical Management Department

7340 Greenbush Avenue, North Hollywood, California 91605 (818) 765-2915

Modern Masters, Inc. believes, to the best of its knowledge, information, and belief, the information contained herein to be accurate and reliable as of the date of this material safety data sheet. However, because the conditions of handling, use, and storage of these materials are beyond our control, we assume no responsibility or liability for personal injury or property damage incurred by the use of these materials and make no warranty, expressed or implied, regarding the accuracy or reliability of the data or results obtained from their use. All materials may present unknown hazards and should be used with caution. The information and recommendations in this material safety data sheet are offered for the users' consideration and examination. It is the responsibility of the user to determine the final suitability of this

NA: Not Applicable N/D: Not Determined N/E: Not Established Est.: Estimated N/R: Not Required Modern Masters®, Incorporated, 13201 Saticoy Street, North Hollywood, California 91605 818-765-2915 MSDS Code: DP-601 Decorative Painter's Crackle Base MSDS (4/4/2003) Page 9 of 10 pages



information and data to comply with all applicable international, federal, state, and local laws and regulations.

**August 9, 2004** 

#### MATERIAL SAFETY DATA SHEET

**SECTION I** 

MANUFACTURER'S NAME:

STREET ADDRESS:

**GRAHAM PAINT & VARNISH CO.** 4100 W 76TH STREET -- UNIT G

CITY, STATE, ZIP CODE:

CHICAGO, IL 60652

**EMERGENCY PHONE NUMBER:** INFORMATION PHONE NUMBER:

800/424-9300 800/255-2628

PRODUCT CODE:

PRODUCT NAME:

225.SERIES

PRO FINISH ACRYLIC LATEX FLAT HOUSE PAINT

PRODUCT CLASS: PAINT, WATER BASED

**SECTION II - HAZARDOUS INGREDIENTS** 

WEIGHT **INGREDIENTS PERCENT**  TLV PPM

TLV mg/M3

**VAP/PRES** LEL

MM HG @ 20°C

ETHYLENE GLYCOL

(CAS #107-21-1)\*

1.5 50 32

.10

**\*ON SARA 313 TOXIC CHEMICAL LIST** 

SECTION III - PHYSICAL DATA

**BOILING RANGE: VAPOR DENSITY:**  212-400 DEGREES F **HEAVIER THAN AIR SLOWER THAN ETHER** 

**EVAPORATION RATE:** % VOLATILE BY VOLUME:

45.80

**WEIGHT PER GALLON:** 

8.5 - 14.0 LBS

### SECTION IV - FIRE AND EXPLOSION DATA

FLAMMABILITY CLASS: NOT APPLICABLE **FLASH POINT: NOT APPLICABLE** 

**EXTINGUISHING MEDIA: NOT APPLICABLE** 

**UNUSUAL FIRE HAZARDS: NONE** 

FIRE FIGHTING PROCEDURES: CONTAINERS MAY RUPTURE WHEN EXPOSED TO EXTREME HEAT.

DRIED FILMS OF THIS COATING WILL SUPPORT COMBUSTION.

#### SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: SEE SECTION II

OVEREXPOSURE ACUTE: CAN CAUSE IRRITATION OF EYES AND SKIN. SWALLOWING CAN CAUSE GASTRONOMICAL IRRITATION. BREATHING CONCENTRATED VAPORS CAN CAUSE HEADACHE OR NAUSEA.

OVEREXPOSURE CHRONIC: THE TOXICOLOGICAL PROPERTIES OF THIS PRODUCT HAVE NOT BEEN FULLY INVESTIGATED. REPEATED EXPOSURE MAY PRESENT ADDITIONAL HAZARDS.

FIRST AID PROCEDURE:

SKIN CONTACT:

WASH WITH SOAP AND WATER. USE EMOLLIENT CREAM OR LOTION

EYE CONTACT:

FLUSH EYE WITH PLENTY OF WATER. SEE PHYSICIAN

INHALATION:

**PROVIDE FRESH AIR AND REST** 

INGESTION:

DO NOT INDUCE VOMITING. CALL PHYSICIAN

225-SERIES

page 2

#### **SECTION VI - REACTIVITY DATA**

STABILITY: STABLE

CONDITIONS TO AVOID: NONE

INCOMPATABILITY: NONE

HAZARDOUS DECOMP. PROD.: THERMAL DECOMPOSITION MAY YIELD OXIDES OF CARBON AND

NITROGEN

POLYMERIZATION: WILL NOT OCCUR

**CONDITIONS TO AVOID: NONE** 

### **SECTION VII - SPILL OR LEAK PROCEDURES**

**SPILLED MATERIAL STEPS:** 

ABSORB ON INERT MATERIALS OR FLUSH WITH WATER

**WASTE DISPOSAL METHOD:** 

INCINERATION OR LAND FILL IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

#### **SECTION VIII - SPECIAL PROTECTION INFORMATION**

### RESPIRATORY PROTECTION:

NONE NEEDED IF GOOD VENTILATION IS MAINTAINED. IN CONFINED OR POORLY VENTILATED AREAS WHERE VAPOR CONCENTRATIONS ARE ENCOUNTERED, WEAR NIOSH/MESA APPROVED RESPIRATOR.

#### **VENTILATION:**

USE ONLY WITH ADEQUATE VENTILATION. AVOID BREATHING VAPOR AND SPRAY MIST. AVOID BREATHING SANDED OR BLASTED DUST.

PROTECTIVE GLOVES: RECOMMENDED. IMPERVIOUS TYPE.

EYE PROTECTION: RECOMMENDED. SAFETY GOGGLES WITH UNPERFORATED SIDE SHIELDS.

OTHER PROTECTIVE EQUIPMENT: AS REQUIRED TO AVOID WETTING CLOTHES.

### **SECTION IX - SPECIAL PRECAUTIONS**

PRECAUTIONS HANDLING: SEE BELOW

**DOL STORAGE CATEGORY: 3 B** 

OTHER PRECAUTIONS: KEEP CONTAINER CLOSED WHEN NOT IN USE. DO NOT TRANSFER MATERIAL TO OTHER CONTAINERS FOR STORAGE. STORE IN A COOL AREA. KEEP OUT OF THE REACH OF CHILDREN.



### SECTION 1 – GENERAL INFORMATION

Manufacturer:

**HMIS Rating** 

Modern Masters®, Inc.

**HEALTH** 

13201 Saticoy Street,

FLAMMABILITY

North Hollywood, California 91605

REACTIVITY 0

818-765-2915

Emergency Telephone: 800-942-3166

Preparation Date: April 4, 2003

**Product Name:** 

Decorative Painter's "Crackle for Latex Paint" Water-based Crackle Base

**Product Code:** 

**DP-601** 

# SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Component

CAS#

OSHA PEL ACGIH TLV

1

0

None

## **SECTION 3 – HAZARD IDENTIFICATION**

Emergency Overview: This material is a clear crackle base. It is a stable, non-flammable, translucent white flowable liquid with a flash point above 200°F.

Primary Routes of Exposure:

Inhalation

Skin contact

Eve contact

Potential Acute Health Effects:

Inhalation:

May cause respiratory tract irritation

Skin:

Prolonged or repeated skin contact may cause irritation

Eye:

May cause eye irritation

Ingestion:

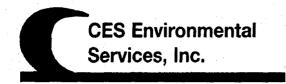
Not hazardous under intended use conditions

Potential Chronic Health Effects: None known

NA: Not Applicable N/D: Not Determined N/E: Not Established N/R: Not Required Modern Masters®, Incorporated, 13201 Saticoy Street, North Hollywood, California 91605 MSDS Code: DP-601 Decorative Painter's Crackle Base MSDS (4/4/2003)

Est.: Estimated 818-765-2915 Page 1 of 10 pages

2965 Green Hunter Biofuels



# **Waste Pre-Acceptance/Approval Letter**

Date 9/2/2008

Dear Steve Sams

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2965

**Expiration Date** 9/2/2010

**Generator:** Green Hunter Biofuels **Address:** 13605 Industrial Blvd

Houston, TX 77015

### Waste Information-

Name of Waste: Glycerin waste TCEQ Waste Code #: CESQ6031

**Container Type:** 

**Detailed Description of Process Generating Waste:**Used glycerin solids generated from biodiesel production

Color: brown

Odor: none

pH: na

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

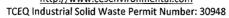
Mank you,

Matt Bowman President CES Environment Services, Inc.





4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676 http://www.cesenvironmental.com



U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

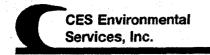


SECTION 1: Generator Information
Company: 67222 Hunter BIOFILES
Address: 13605 Industrial Rd
City: Houston State: Ty Zip: 77 015
Contact: Bruce BAJELMAN Title:
Phone Number: (713) 574 - 9509 Fax Number: 713 450-1591
24/hr Phone Number:
US EPA ID No:
State ID No: SIC Code:
SECTION 2: Billing Information - Same as Above
Company: Planty Pollution (my)
Address: 4808 PAIRMONT PARKWAY BOK \$277
City: PASAdur State: 7x Zip: 77505
Contact: Steve Sand Title:
Phone Number: (713) 53 0 - 4550 Fax Number:
SECTION 3: General Description of the Waste
<u> </u>
Name of Waste: 6 19 cen'n Waste
Detailed Description of Process Generating Waste:
Used Glycerin Solids generated from girdiealproduction
The state of the s
Physical State: Liquid Sludge Powder
Solid Filter Cake Combination
Color: Ryown Odor: Nne
Specific Gravity (water=1): Density: NQ lbs/gal
Does this material contain any total phenolic compounds?
Does this material contain any para substituted phenolic compounds?
Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF)
Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following:
2812 2813 2816 2819 2821 2822 2823 2824 2833 2834
2835 2836 2841 2842 2843 2844 2851 2861 2865 2869
2873 2874 2876 2879 2891 2892 2893 2896 2899 2911
3312 4953 4959 9511
3312 4333 4333 3311
Layers: Single-phase Multi-phase
Layers.
Container Type: Drum 🔲 Tote 🔲 Truck 🔲 Other (explain)
Container type. At bruin _ rote _ rruck _ other (explain)
Fraguency: Weekly Monthly Veryly Monthly Veryly Monthly
Frequency: Weekly Monthly Yearly One-Time  Quantity: 500 Gallons
Qualitity: DO GACCONS

If "Yes", then please complete, sign and date the Underlyi	ng Hazardous Constitue		
Characteristic for Toxic Metals:	02 (Corrosive)	☐ D003 (Reactive) 6	D009
Is this an "F" or "K" Listed waste or mixed with one?  If "Yes", then please list ALL applicable codes:	Ye	s <b>V</b> Z No	
Is this a commercial product or spill cleanup that would 40 CFR 261.33(e) or (f)?	d carry a "U" or "P" w  No	raste code under	
Texas State Waste Code Number:	(25060		
Proper US DOT Shipping Name: Now RCRA Class: UN/NA: PG	1 700 UT 017 1	RQ:	क्षे <u>त्र</u> ा
Flash Point pH	Reactive Sulfides	Reactive Cyanides	Solids
7440 200 N/A	N   mg/1	WA mg/1 98100	%
Oil & Grease TOC 7/\$\(\sigma\) \(\ldot\) \(\ld\) \(\ldot\) \(\ldot\) \(\ldot\) \(\ldot\) \(\ldot\) \(\ld\) \(\ld\) \(\ld\) \(\ld\) \(\ld	Zińc N A mg/l	Copper   Mg/l	Nickel mg/l
SECTION 4: Physical and Chemical Data			
		CONCENTRATOIN	LINITS
COMPONENTS TABLE		CONCENTRATOIN Ranges are acceptable	UNITS or %
		CONCENTRATOIN  Ranges are acceptable  98 - 100	
COMPONENTS TABLE  The waste consists of the following materials			or %
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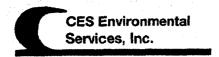
	ling of this waste requires the use of special protective e	quipment, please explain.	
	: Attached Supporting Documents uments, notes, data and/or analysis attached to this form ackage.  MSDS	as part of the waste	
	: Incompatibilities ALL incompatibilities (if any):		
Laboratory	: Generator's Knowledge Documentation analysis of the hazardous waste characteristics, listed be the following generator knowledge:	low, WAS NOT PERFORMED	
TCLP Metal TCLP Volati TCLP Semi- Reactivity: Corrosivity: Ignitability:	les: Volatiles:		
	Waste Receipt Classification Under 40 CFR 437 (Prtaining to I Is this material a wastewater or wastewater sludge? If 'Yes', complete this section.	Pre-Treatment Requirements fo	or Centralized Waste Treatment
Metals Subc	PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE  ategory: Subpart A  Spent electroplating baths and/or sludges  Metal finishing rinse water and sludges  Chromate wastes	E CATEGORY, GO TO THE NEXT	PAGE.
	Air pollution control blow down water and sludges  Spent anodizing solutions Incineration wastewaters  Waste liquid mercury  Cyanide-containing wastes greater than 136 mg/l  Waste acids and bases with or without metals  Cleaning, rinsing, and surface preparation solutions from ele	ectroplating or phosphating ope	erations
Oils Subcate	Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equingory: Subpart B Used oils Oil-water emulsions or mixtures Lubricants	pment	
- - - - - - - - - - - - - - - - - - -	Coolants  Coolants  Contaminated groundwater clean-up from petroleum source  Used petroleum products  Oil spill clean-up  Bilge water  Rinse/wash waters from petroleum sources	es	

	nterceptor wastes
	Off-specification fuels
	Inderground storage remediation waste
	ank clean-out from petroleum or oily sources
	Ion-contact used glycols Iqueous and oil mixtures from parts cleaning operations
	Vastewater from oil bearing paint washes
_ ·	vastewater nom on bearing paint wasnes
	<u>ntegory</u> : Subpart C andfill leachate
. =	ontaminated groundwater clean-up from non-petroleum sources
□ s	olvent-bearing wastes
<u></u> □ 0	Off-specification organic product
= -	till bottoms
	yproduct waste glycol
	Vastewater from paint washes
_	Vastewater from adhesives and/or epoxies formulation
_	Vastewater from organic chemical product operations ank clean-out from organic, non-petroleum sources
·	ank clean-out from organic, non-petroleum sources
(1)	the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)	
If	the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in
ex	xcess of the values listed below, the waste should be classified in the metals subcategory.
	Cadmium: 0.2 mg/L
	Chromium: 8.9 mg/L
	Copper: 4.9 mg/L
	Nickel: 37.5 mg/L
	the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, r nickel above any of the values listed above, the waste should be classified in the organics subcategory.  Metals Subcategory Oils Subcategory Organics Subcategory
SECTION 10 Ad	ditional Instructions
Copper, Nickel,	etermine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This acceptance. The generator will be responsible for the cost of the analysis.
SECTION 11.	Generator's Certification
	y that the above and attached description is complete and accurate to the best of
	and ability to determine that no deliberate or willful omissions of composition
	st and that all known or suspected hazards have been disclosed. I certify that the
materials teste	ed are representative of all materials described by this document.
Authorized Sig	pate: 08-25-08
	Title: Date: 08-25-08  Aun Broker For Generator
Printed Name,	Title: -TEVE DAMS / AUTH BROKER FOR GENERATOR
CES USE ONLY	(DO NOT WRITE IN THIS SPACE)
	0.01
Compliance Of	ficer: Karlyna
	-2-08 Approved Rejected
Approval Num	



# PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	\$105/dram throws +fs
2.	Contamination Limits (maximum limit before surcharges apply):
	weether begrifte
÷	
2	Superhange Duisings
3.	Surcharge Pricing:
:	
4.	Special Testing Requirements:
5.	Treatment and Handling Protocol:
	Upo 1 Bulk.
6.	Treated Wastewater Discharge Subcategory:
	Subcategory A Subcategory B Subcategory C



# PROCESS FACILITY INFORMATION (CES USE ONLY!!)

7.	Tests for Prod	uct Recovered/R	Recycled (if application	able):		
	·					
8.	Management fo	or Product Reco	vered/Recycled (i	f applicable);		
				·		

Title: Material Safety Data Sheet for: Glycerin

Date Effective :09/24/02 Written By: J. Geils

Reviewed and Authorized By:

Document Number: MSDS-0020-04

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). In addition, other substances not 'Hazardous' per this OSHA Standard may be listed. Where proprietary

### 1. PRODUCT AND COMPANY IDENTIFICATION:

# **Glycerin**

Including:

96.0% USP

ingredient shows, the identity may be made available as provided in this standard.

96.0% USP, Kosher

99.5% USP

99.5% USP, Kosher

99.7% USP

99.7% USP, Kosher

Glycerin, Technical Grade

Avatar Corporation, 500 Central Avenue, University Park, IL 60466 (708) 534-5511 Transportation emergency contact: Chem Tel (800) 255-3924.

Chemical Family: Alcohol, Aliphatic

Chemical Name: Glycerin

Synonyms: Glycerine; Glycerol; 1,2,3-Propanetriol; 1,2,3-Trihydroxypropane

Molecular Weight: 92.10

Molecular Formula: CH2CHOHCH2OH

### 2. COMPOSITION / INFORMATION ON INGREDIENTS:

Component

<u>CAS #</u>

Range % by Wt.

Glycerin Water 56-81-5

95.0 minimum, 5.0 maximum,

(See Section 8, "Exposure Controls/Personal Protection", for exposure guidelines.)

### 3. HAZARDS IDENTIFICATION:

NFPA Code: Health-1, Flammability-1, Reactivity-0 HMIS Code: Health-1, Flammability-1, Reactivity-0

**Emergency Overview:** This product has been evaluated and does not require any hazard warning on the label under OSHA criteria. Low hazard for usual industrial or commercial handling by trained personnel.

### **Potential Health Effects:**

EYE CONTACT: May cause minor transient eye irritation.

SKIN CONTACT: A single, prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.

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Title: Material Safety Data Sheet for: Glycerin

Date Effective :09/24/02 Written By: J. Geils

Document Number: MSDS-0020-04

INGESTION: Single dose oral toxicity is low. Amounts ingested incidental to industrial handling are not likely to cause injury, however, ingestion of larger amounts may cause injury. Signs and symptoms of excessive exposure may be central nervous system effects and increased blood sugar levels.

INHALATION: Inhalation of mist may cause respiratory irritation.

### 4. FIRST AID MEASURES:

EYE: In case of eye contact, immediately flush eyes with cool water for at least-15 minutes. Do not let victim rub eyes. Obtain emergency medical information if pain, blinking, tears or redness persist.

SKIN: Wash exposed area of skin with soap and water. If skin irritation or an allergic reaction occurs, get medical attention.

INGESTION: For overexposure, call a physician or poison control center promptly.

INHALATION: Immediately remove victim to fresh air. If victim has stopped breathing, give artificial respiration, preferably by mouth-to-mouth. Get medical attention immediately.

#### 5. FIRE FIGHTING MEASURES:

FLASH POINT: 390°F (199°C) minimum METHOD USED: Tag Closed Cup

FLAMMABLE LIMITS:

LEL (% vol. in air): Not determined. UEL (% vol. in air): Not determined.

AUTOIGNITION TEMPERATURE: 698°F (370°C).

FLAMMABILITY CLASSIFICATION: Slight hazard. Material must be preheated before ignition will occur (OSHA Class IIIB).

EXTINGUISHING MEDIA: Agents approved for Class B hazards (e.g., dry chemical, carbon dioxide, foam, steam) or water fog.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Water or foam may cause frothing when applied to flammable liquids having flash points above 212°F (100°C). This remark is included only as a precaution and does not mean that water or foam should not be used in fighting fires in such liquids. The frothing may be quite violent and could endanger the life of the firefighter, particularly when solid

Title: Material Safety Data Sheet for: Glycerin

Date Effective: 09/24/02 Written By: J. Geils

Reviewed and Authorized By: ( ) | viring

Document Number: MSDS-0020-04

streams are directed into the hot burning liquid. On the other hand, water spray carefully applied has frequently been used with success in extinguishing such fires by causing the frothing to occur only on the surface and this frothing action blankets and extinguishes the fire.

FIREFIGHTING EQUIPMENT: Firefighters should wear self-contained breathing apparatus in the positive-pressure mode with a full headpiece when there is a possibility of exposure to smoke, fumes, or hazardous combustion products.

HAZARDOUS COMBUSTION PRODUCTS: Incomplete burning can produce carbon monoxide and/or carbon dioxide and other toxic gases.

### 6. ACCIDENTAL RELEASE MEASURES:

Absorb spill with inert solids such as sand or soil; sweep up and dispose of in accordance with federal, state, and local regulations. For large spills, dike around spill and pump into suitable containers.

#### 7. HANDLING AND STORAGE:

HANDLING: No special requirements.

STORAGE: Store in a cool, well-ventilated area in sealed containers. Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

EYE: Chemical splash goggles and/or face shield must be worn when possibility exists for eye contact

SKIN: Wear gloves and protective clothing which are impervious to the product for the duration of anticipated exposure if there is potential for prolonged or repeated skin contact.

INHALATION: Avoid breathing mist. If ventilation is inadequate, use NIOSH/ MSHA certified respirator that will protect against dust/mist

ENGINEERING CONTROLS: Control airborne concentrations below the exposure guidelines.

### **EXPOSURE GUIDELINES:**

Limits: PEL TWA: 10 mg/m<sup>3</sup> (glycerin mist-total dust) TWA: 5 mg/m<sup>3</sup> (glycerin mist-respirable fraction)

TLV TWA: 10 mg/m<sup>3</sup> (glycerin mist)

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Title: Material Safety Data Sheet for: Glycerin

Date Effective :09/24/02 Written By: J. Geils

Reviewed and Authorized By: ( ) | Visiting

Document Number: MSDS-0020-04

### 9. CHEMICAL AND PHYSICAL PROPERTIES:

APPEARANCE AND ODOR: Colorless, oily liquid. essentially odorless.

pH: Not determined.

VAPOR PRESSURE: < .001 mmHg @ 25°C.

VAPOR DENSITY (Air=1): 3.1 BOILING POINT: 340 °F(171 °C)

MELTING POINT: N/A

SOLUBILITY: Soluble in water SPECIFIC GRAVITY (Water=1): >1

### 10. STABILITY AND REACTIVITY:

STABILITY: Generally stable.

CONDITIONS TO AVOID: Avoid excessive heat and open flames.

MATERIALS TO AVOID: Avoid chlorine, fluorine, and other strong oxidizers as well as strong acids.

HAZARDOUS DECOMPOSITION: Thermal decomposition releases corrosive fumes of Acrolein. Decomposition may result in carbon monoxide and carbon dioxide.

HAZARDOUS POLYMERIZATION: Will not occur.

### 11. TOXICOLOGICAL INFORMATION:

No definitive information available on carcinogenicity, mutagenicity, target organs, or developmental toxicity.

#### **Acute Toxicity Data:**

EYE IRRITATION: 126 mg of Glycerin applied to the eyes of rabbits in a Draize test resulted in mild irritation.

SKIN IRRITATION: Primary Irritation Index of Glycerin = 0.3. 500 mg of Glycerin applied to the skin of rabbits over a 24 hour period resulted in moderate irritation.

INHALATION: Nuisance particulates have been reported for glycerin mist. ORAL LD<sub>50</sub>: 12.6 g/Kg (Rat); 4.1 g/Kg (Mouse); 7.8 g/Kg (Guinea Pig)

DERMAL LD<sub>50</sub>: 10 g/kg (Rabbit)

INHALATION LC<sub>50</sub>: > 0.57 mg/l (Rabbit)

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Title: Material Safety Data Sheet for: Glycerin

Date Effective :09/24/02 Written By: J. Geils

Reviewed and Authorized By: Whining

Document Number: MSDS-0020-04

### **Other Toxicity Data:**

Repeated excessive exposures may cause increased fat levels in blood. Observations in animals include kidney, liver, and gastrointestinal effects with very large oral doses. Did not cause cancer in long-term animal studies. Birth defects are unlikely. Exposures having no adverse effects on the mother should have no effect on the fetus. Reproductive effects seen in females are believed to be due to altered nutritional states resulting from extremely high doses in their diets. Similar effects have been seen in animals fed synthetic diets..

No component of this product present at levels greater than 0.1% is identified as a carcinogen by the U.S. National Toxicology Program, the U.S. Occupational Safety and Health Act, or the International Agency on Research on Cancer (IARC).

#### 12. ECOLOGICAL INFORMATION:

No definitive information available on ecological impact if product is released to the environment.

### 13. DISPOSAL INFORMATION:

Disposal must be in accordance with applicable federal, state, or local regulations.

#### 14. TRANSPORTATION INFORMATION:

**U.S. Department of Transportation:** Not regulated.

#### 15. REGULATORY INFORMATION:

CERCLA Sections 102A/103 Hazardous Substances (40 CFR Part 302.4): Not reportable.

SARA Title III Section 302 Extremely Hazardous Substances (40 CFR Part 355): Not regulated.

SARA Title III Sections 311/312 Hazardous Categorization (40 CFR Part 370): None noted.

SARA Title III Section 313 (40 CFR Part 372): Not regulated.

U.S. Inventory (TSCA): Listed on inventory. All components comply with TSCA.

**EPCRA 313:** Not listed and does not contain any listed chemical or chemical category requiring reporting under 40 CFR 372.65

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Title: Material Safety Data Sheet for: Glycerin

Date Effective :09/24/02 Written By: J. Geils Document Number: MSDS-0020-04

Reviewed and Authorized By: ( ) Fringe

### **FOOD CONTACT STATUS:**

**FDA:** This product is approved for use by the FDA under the following sections of 21 CFR:

-Part 182.1320 as Generally Recognized as Safe (GRAS) when used in accordance with the specifications of this subpart.

#### 16. OTHER INFORMATION:

This product meets the requirements for Glycerin as described in the United States Pharmacopeia 25 (January 1, 2002)(excluding Technical Grade).

This product meets the requirements for Glycerin as described in the Food Chemicals Codex IV (July 1, 1996)(excluding Technical Grade).

Kosher Certification: This product is available with Kosher certification.

This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either expressed or implied.

Post of Houston Authority



# Waste Pre-Acceptance/Approval Letter

Date 9/2/2008

Dear Roxana Herrera

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2966

**Expiration Date** 9/2/2010

**Generator:** Port of Houston Authority

**Address:** 111 East Loop North

Houston, TX 77029-4327

Waste Information

Name of Waste: Blue etch

TCEQ Waste Code #: CESQ2191

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Out of date chemical from printing operations

Color: blue

**Odor:** faint alcohol

**pH:** 5.7

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. test Plackptorph. It the Clush ptis < 140 We material is a reject.

11:

GB

CES Environmental Services, Inc.

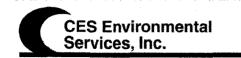
4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900 **SECTION 1: Generator Information** Company: Port of Houston Address: 111 East Loop North 77029-4327 City: Houston State: TX Zip: Contact: Roxanna Herrera Title: Phone Number: (713) 670-2814 Fax Number: (713) 670-2427 24/hr Phone Number: (713) 670-2814 TXCESQG US EPA ID No: State ID No: CESQG SIC Code: na **SECTION 2: Billing Information -**Same as Above Company: Port of Houston P.O. Box 2562 Address: City: Houston State: TX Zip: 77252-2562 Contact: Roxanna Herrera Title: **Phone Number:** (713) 670-2814 Fax Number: (713) 670-2427 **SECTION 3: General Description of the Waste** Name of Waste: Blue Etch Detailed Description of Process Generating Waste: Out of date chemical from printing operations Powder **Physical State:** V Liquid Sludge Solid ☐ Filter Cake Combination Color: Blue Odor: Faint Alcohol Density: pe 8 1.06 lbs/gal Specific Gravity (water=1): Does this material contain any total phenolic compounds? Yes ☑ No Does this material contain any para substituted phenolic compounds? ☐ Yes ☑ No Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ☑ No Yes Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following: 2812 2813 2816 2819 2821 2822 2823 2824 2833 2834 2835 2836 2841 2842 2843 2844 2851 2861 2865 2869 2873 2874 2876 2879 2891 2892 2893 2896 2899 2911 4959 9511 3312 4953 ☐ Multi-phase ✓ Single-phase Layers: Container Type: ☐ Drum ☐ Tote ☐ Truck ☑ Other (explain) Frequency: Weekly Monthly Yearly One-Time Quantity:

s this a USEPA "Hazi If "Yes", then please				Yes		•	
		a date the Unde			uiz Loum arracued veteto		
If "Yes", Is it:	D001 (Ignita	ible) 🗆	D002 (Corre	nsive)	D003 (Reactive)		
haracteristic for To		D004	□D005	D00€		[] D009	
		□ D010	□D011				
Characteristic for To	xic Organics: D01	2 thru D043 (p	lease list all	that apply)		3 1 1	
sthis an "F" or "K" i If "Yes", then plea			?	☐ Yes	; ☑ No	. 4	
this a commercial 0 CFR 261.33(e) or If "Yes", then plea	(f)?	☐ Ye	· <u>-</u> -	"Ü" or "P" wa No	aste code under	. I	
			•			: 1	
exas State Waste C	ode Number:		CESQ2191		·	: [	
		**				: ;	
roper US DOT Ship; lass: na	ong Name: UN/NA:				al (Blue Etch)		
110	ON/NA.	110	ra.	na	RQ: na	Ņ.	
Flash Point		рН	Reactiv	e Sulfides	Reactive Cyanides	Solid	
>140 0	90	5.7	0	mg/l	0 mg/l	0	%
Oil & Grease	1	OC .	7	linc	Copper	Nicke	L
ECTION 4: Physical						10	
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If the handling of this waste requires the use of special protective equipment, please explain.	
Standard	
	<u> </u>
	1 1
SECTION 6: Attached Supporting Documents	
List all documents, notes, data and/or analysis attached to this form as part of the waste	1
approval package. MSDS NOVE	
SECTION 7: Incompatibilities	
Please list ALL incompatibilities (if any):	١
None known	
SECTION 8: Generator's Knowledge Documentation	
Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFÖRMED based upon the following generator knowledge:	1 5
oased about the following generator knowledge.	
TCLP Metals:	
	1
TCLP Volatiles:	
TCLP Semi-Volatiles:	
TCLP Semi-Volatiles: Reactivity: Corrosivity:	
TCLP Semi-Volatiles: Reactivity:	
TCLP Semi-Volatiles: Reactivity: Corrosivity: Ignitability:	
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Interceptor wastes Off-specification fuels		
Underground storage remediation waste		1 4
Tank clean-out from petroleum or oily sources		
Non-contact used glycols		
Aqueous and oil mixtures from parts cleaning operations		
Wastewater from oil bearing paint washes		
		1 1
Organics Subcategory: Subpart C	4 1 2	
Landfill leachate		
Contaminated groundwater clean-up from non-petroleur	m sources .	i ''.
Solvent-bearing wastes	į	
Off-specification organic product		
Still bottoms		
Byproduct waste glycol		1 4
Wastewater from paint washes		
Wastewater from adhesives and/or epoxies formulation		
Wastewater from organic chemical product operations	•	
Tank clean-out from organic, non-petroleum sources		3
(1)		
If the waste contains oil and grease at or in excess of 100	mg/L, the waste should be classified in the oils:	subcategory.
• • • • • • • • • • • • • • • • • • • •		
(2)		1.0
If the waste contains oil and grease less than 100 mg/L, a	nd has any of the pollutants listed below in con-	centrations in
excess of the values listed below, the waste should be cla	issified in the metals subcategory.	
Cadmium: 0.2 mg/L		1.
Chromium: 8.9 mg/L	•	
Copper: 4.9 mg/L		1
——————————————————————————————————————		1
Nickel: 37.5 mg/L	•	
(3)	and the state of the state of the state of the state of the state of the state of the state of the state of the	and the first section of the second
If the waste contains oil and grease less than 100 mg/L, a		
or nickel above any of the values listed above, the waste	should be classified in the organics subcategory	h   }
	de la servicio	
Oils Subcategory		1 1
Organics Subcategory		
577 Angarina and and and and		
Crottonian Additional Instructions		
SECTION 10 Additional Instructions		
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If you cannot determine the correct cubrategon/ in Section 9 and you d		missin Chromium
If you cannot determine the correct subcategory in Section 9 and you d		
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	al laboratory a sample to determine these conc	
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Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial will be prior to acceptance. The generator will be responsible for the continuous section.  SECTION 11: Generator's Certification  The information contained herein is based on generator. I hereby certify that the above and attached description is completing knowledge and ability to determine that no deliberate or will properties exist and that all known or suspected hazards have be	ial laboratory a sample to determine these concess of the analysis.  If knowledge and/or	
Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial be prior to acceptance. The generator will be responsible for the control of the c	ial laboratory a sample to determine these concessor of the analysis.  If knowledge and/or analytical data, ete and accurate to the best of full omissions of composition tendisclosed. I certify that the this document.  Date:	entrations. This
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### PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

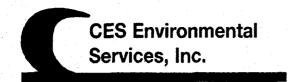
1. Base Pricing (including freight):
\$65/drun
70 TIANS & FSC
2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing:
4. Special Testing Requirements:
Pest for flash points pH - Il Mp flash point is 2140 x it is a reject.
5. Treatment and Handling Protocol:
CLASS I Box
6 Treated Westernator Discharge Subsetters
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



### PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):	
8. Management for Product Recovered/Recycled (if applicable)	

pH: neutral



# Waste Pre-Acceptance/Approval Letter

Date 9/2/2008

Dear Roxana Herrera

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2967

**Expiration Date** 9/2/2010

Generator: Port of Houston Authority
Address: 111 East Loop North

Houston, TX 77029-4327

Waste Information

Name of Waste: RCRA empty containers

TCEQ Waste Code #: CESQ3081

**Container Type:** 

Detailed Description of Process Generating Waste:

emptied containers from chemical storage cabinet

Color: varies
Physical State:

Incompatibilities: none

te:

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Odor: none

Thank you,

Matt Bowman, President CES Environmental Services, Inc. No Free Hynrids
Any liquids count he a houp 4
and must have a thought >100°F >100°F. CES Environmental Services, Inc. 4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460. Fax: (713) 676-1676 http://www.cesenvironmental.com TCEQ Industrial Solid Waste Permit Number: 30948 U.S. EPA ID Number: TXD008950461 ISWR Number: 30900 **SECTION 1: Generator Information** Port of Houston Authority Address: 111 East Loop North State: ΤX 77029-4327 City: Zip: Houston Title: Contact: Roxanna Herrera Phone Number: (713) 670-2814 Fax Number: (713) 670-2427 24/hr Phone Number: (713) 670-2814 US EPA ID No: **TXCESQG** State ID No: SIC Code: CESQG na **SECTION 2: Billing Information -**Same as Above Company: Port Of Houston Authority Address: P.O. Box 2562 City: Houston Zip: 77252-2562 Contact: Roxanna Herrera Title: Fax Number: (713) 670-2427 **Phone Number:** (713) 670-2814 SECTION 3: General Description of the Waste Name of Waste: RCRA empty containers **Detailed Description of Process Generating Waste:** Emptied containers from a chemical storage cabinet Physical State: Liquid ☐ Sludge Powder П V Solid Filter Cake Combination Odor: Color: Varies none Density: Specific Gravity (water=1): lbs/gal na na Does this material contain any total phenolic compounds? Yes ✓ No Does this material contain any para substituted phenolic compounds? Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) ₩ No Yes Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following: 2822 2823 2824 2833 2834 2812 2813 2816 2819 2835 2836 2841 2842 2843 2844 2851 2861 2865 2869 2891 2892 2893 2896 2899 2873 2874 2876 2879 2911 3312 4953 4959 9511 ☐ Multi-plase Layers: Single-phase ☐ Tote Truck Other (explain) **☑** Drum Container Type: Frequency: Weekly Monthly Yearly One-Time Quantity:

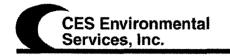
If "Yes", Is it:		PA "Hazardou en please comp				Yes dous Constitue		No ched hereto	; ·.	
Is this a commercial product or spill cleanup that would carry a "U" or "P" waste code under 40 CFR 261.33(e) or (f)?	Characterist	ic for Toxic M	etals:	☐ D004 ☐ D010	□D005 □D011	□ D006			D009	
40 CFR 261.33(e) or (f)?					?	Yes	্ ত	No		· · · · · · · · · · · · · · · · · · ·
Proper US DOT Shipping Name: Non RCRA Non DOT regulated material           Class: na         UN/NA: na         PG: na         RQ: na           Flash Point         pH         Reactive Sulfides         Reactive Cyanides         Solids           >140	40 CFR 261.	33(e) or (f)?	•	☐ Y			aste code ur	nder		
Flash Point         pH         Reactive Sulfides         Reactive Cyanides         Solids           >140	-						···	<b>.</b>	; i	
>140 00         neutral         0         mg/l         0         mg/l         100         %           Oil & Grease         TOC         Zinc         Copper         Nickel           0         mg/l         0         mg/l         0         mg/l           SECTION 4: Physical and Chemical Data           COMPONENTS TABLE         CONCENTRATOIN         UNITS           The waste consists of the following materials         Ranges are acceptable         or %								na		
>140 00         neutral         0         mg/l         0         mg/l         100         %           Oil & Grease         TOC         Zinc         Copper         Nickel           0         mg/l         0         mg/l         0         mg/l           SECTION 4: Physical and Chemical Data           COMPONENTS TABLE         CONCENTRATOIN         UNITS           The waste consists of the following materials         Ranges are acceptable         or %	Flash	Point	p	Н	Reacti	ve Sulfides	Reactive	Cyanides	Sol	ids
0 mg/i 0 mg/i 0 mg/i 0 mg/i 0 mg/i 0 mg/i  SECTION 4: Physical and Chemical Data  COMPONENTS TABLE CONCENTRATOIN UNITS The waste consists of the following materials Ranges are acceptable or %	>3	40 100	neu	tral	0	mg/l			100	%
SECTION 4: Physical and Chemical Data  COMPONENTS TABLE CONCENTRATOIN UNITS The waste consists of the following materials Ranges are acceptable or %	Oil &	Grease	T(	OC .		Zinc	Co	per	Nic	kel
COMPONENTS TABLE CONCENTRATOIN UNITS The waste consists of the following materials Ranges are acceptable or %	0	mg/l	0	<u>mg/l</u>	0	mg/l	0	mg/l	0 :	mg/l
		COM	PONENTS TA	BLE	Acres 1		CONCENT	RATOIN	emer i i	UNITS
Metal container 100 %	Th	e waste consi	sts of the folio	wing materia	ls		Ranges are	acceptable	:	or%
		<u>M</u>	etal containe	<u>r                                      </u>			10	0.		%
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	L			· · · · · · · · · · · · · · · · · · ·		L				

-,	vaste requires the use of special protective equipment, please explain.	į.
Standard	Man	——————————————————————————————————————
<del>,</del>		<u> </u>
SECTION S. Attached	Supporting Documents	4
	es, data and/or analysis attached to this form as part of the waste	•
approval package.	none	*4
inhbitosias hanvaBri	none	<del></del>
· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
		<del></del>
SECTION 7: Incompati	bilities	•
Please list ALL incompa	rtibilities (if any):	ji
none known		· · · · · · · · · · · · · · · · · · ·
		· ·
		!
	's Knowledge Documentation	j
	the hazardous waste characteristics, listed below, WAS NOT PERFORMED	
based upon the follow	ing generator knowledge:	• ÷ ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
Transia III		% %
TCLP Metals:	×	
TCLP Volatiles: TCLP Semi-Volatiles:	<u>x</u> .	<del></del>
Reactivity:	X	
Corrosivity:	X X	<u>.</u>
ignitability:		
Philippinity.	X	— in the second of the second of
SECTION 9: Waste Recei	pt Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Requirements fo	r Centralized Waste Treatment
Facilities)		1
	erial a wastewater or wastewater sludge?	✓ NO
If 'Yes'	complete this section.	ļ.
PLEASE CH	ECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT I	PAGE.
	j.	# # # # # # # # # # # # # # # # # # #
Metals Subcategory: Su		
	roplating baths and/or sludges hing rinse water and sludges	
Chromate		
Air pollutio	n control blow down water and sludges.	
	lizing solutions	Šį.
☐ Incineratio	n wastewaters	i i
	intaining wastes greater than 136 mg/l	
	s and bases with or without metals	ÿ
	insing, and surface preparation solutions from electroplating or phosphating ope	rations
	leburring wastewater	
Alkaline an	d acid solutions used to clean metal parts or equipment	
Oils Subcategory: Subp	art.B	<u></u>
Used oils		
	mulsions or mixtures	
Lubricants		ÿ.
Coolants	ted groundwater clean-up from petroleum sources	.;
	ted groundwater clean-up from petroleum sources	.1
Oil spill cle		;;; ;;
Bilge water		$\mathbf{r}_{i}$
☐ Rinse/wash	n waters from petroleum sources	i

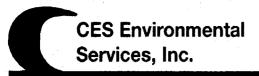
Interceptor wastes	
Off-specification fuels	
Underground storage remediation waste	5) 1
Tank clean-out from petroleum or oily sources	
Non-contact used glycols	· .
Aqueous and oil mixtures from parts cleaning operations	
Wastewater from oil bearing paint washes	• •
Committee Colombania and Established C	
Organics Subcategory: Subpart C  Landfill leachate	41
Contaminated groundwater clean-up from non-petroleum sources	
Solvent-bearing wastes	*
Off-specification organic product	٠.
Still bottoms	
Byproduct waste glycol	.*
Wastewater from paint washes	* <del>1</del>
Wastewater from adhesives and/or epoxies formulation	:*
Wastewater from organic chemical product operations	
Tank clean-out from organic, non-petroleum sources	1:
	÷
(1)	
If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils sul	category.
and the state of t	. 🔐
(2)  If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concer	
excess of the values listed below, the waste should be classified in the metals subcategory.	mations in
	1
Cadmium: 0.2 mg/L	5 (5) 5 (5)
Chromium: 8.9 mg/L	1.
Copper: 4.9 mg/L	
Nickel: 37.5 mg/L	
	4 !
(3)  If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chiral contains of cadmium, chiral	omium, copper,
or nickel above any of the values listed above, the waste should be classified in the organics subcategory.	1
Metals Subcategory	· - /
☐ Oils Subcategory	į
Organics Subcategory	1
Cl organia stratucková	7
SECTION 10: Additional Internations	<u></u>
SECTION 10 Additional Instructions	•
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmi Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentwill be prior to acceptance. The generator will be responsible for the cost of the analysis.	
2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	trations. Inis
	rations. Inis
SECTION 11: Generator's Certification	Trations. This
SECTION 11: Generator's Certification  The information contained herein is based on   ☑ generator knowledge and/or  ☐ analytical data.	rations. This
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1. Base Pricing (including freight):
\$65/duen or \$(00) Tite
2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing:
4. Special Testing Requirements:
the containmen must entain no free liquids. Any liquids commot have a horardons Peter a flash < 140°F.
E. Transferrent and Mandline Dustreed.
5. Treatment and Handling Protocol:
Class I vax
6. Treated Wastewater Discharge Subcategory:
Subcategory A Subcategory B Subcategory C



7. Tests for Product Recovered/Recycled (if applicable):	
8. Management for Product Recovered/Recycled (if applicable)	



# Waste Pre-Acceptance/Approval Letter

Date 9/2/2008

Dear Troy Swearingen

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2968

**Expiration Date** 9/2/2010

**Generator:** MTI Environmental **Address:** 2150 Pansy Rd

Pasadena, TX 77503

Waste Information

Name of Waste: oily pads

TCEQ Waste Code #: CESQ4891

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Rags, pads, abs used in the clean-up of oil

Color: varies

Odor: hydrocarbon

**pH:** 3-11

4904 Griggs Road Houston TX 77021

Tel. (713) 676-1460

Fax. (713) 676-1460

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676 http://www.cesenvironmental.com

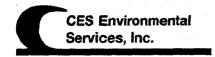


TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

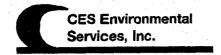
SECTION 1:	Generator In	<u>nformatio</u>	<u>on</u>									
Company:	MTI Environ	mental								_		
Address:	2150 Pansy	St										Ξ
City:	Pasadena			Sta	ate:	TX	Zip:				7750	3
Contact:	Troy Sweari	ngen				Title:						_
Phone Num	ber:	(832)25	7-6128			Fax Number	: (713) 94	7-1529				_
24/hr Phone	Number:	(832)25	7-6128			-		<u> </u>				_
US EPA ID N	o:											
State ID No:		CESQG				SIC Code:						_
						-						_
<b>SECTION 2:</b>	Billing Inform	mation -	☑ <u>s</u>	ame as Abo	<u>ve</u>							
Company:												
Address:												_
City:				Sta	ate:	<del></del>	Zip:					_
Contact:			•			Title:						_
Phone Numi	ber:					Fax Number	:					_
						<b>3</b>						_
SECTION 3:	General Des	cription o	of the Was	<u>ste</u>								
Name of Wa	ste:	{	); ly '	Pas	-							
Detailed Des	scription of F	Process G	enerating	Waste:						<u>-</u>		_
,	=		_	,			^	,				
lass 1	Pads/Al	os v.Sø	ld i	in M	Y	Mhn.	to a u-	sil				
<del>/</del>		_					1					_
Physical Stat	te: 🗚	Liquid		☐ Slu	ıdge		Powder					
•	$\Box$	Solid		_	ter Cake		Combina	ition				
				_			Λ.					
Color:	Var	ies				Odor:	hyd	vo can	lan-	•		
•	• •											_
Specific Grav	vity (water=1	L):		NG	_		Density:	18	√e~ ips/g	al		
		-				•	_	20	• • •			
Does this ma	aterial conta	in any to	tal pheno	lic compour	nds?		es 🕽	X_No				
		•	•	•			_					
Does this ma	aterial conta	in anv pa	ıra substit	uted pheno	lic comp	ounds?		Yes	X No			
		,										
Is the Waste	subject to t	he benze	ne waste	operation N	IESHAP?	(40 CFR Part	61. Subpar	rt FF)		Yes	□ No	
						e from your f		-	ollowing:		l-med	
2812	2813		2816	2819	2821		-		824	2833	2834	4
2835	2836		2841	2842	2843				861	2865	2869	
2873	2874		2876	2879	2891				896	2899	291:	
3312	4953		4959	9511	2031	200	/Z 20.		050	2000	251.	
3312	4333		4333	3311								
Lavores	∑ Sing	gle-phase		Multi-ph								
Layers:	and suit	Pie-hiiaze		ı warı-pii	163 <b>C</b>							
Containor T	a. №	Drum	☐ To4	□ т	uck 🗆	Other (expla	in)					
Container I	hc.	Diulli	L 10t	e in	uck	Other (expla	)					
Frequency:	□ Wookle	□ 88a	nthly 🏹	Voorby 🗆	One T	mo						
Prequency:	weekly	~ wo	y K	really	One-11	me						

s this a USEPA "Hazardous Waste" per 40CFR 261.3?  If "Yes", then please complete, sign and date the Underlying Haza	Yes  rdous Constituents Forn	No attached hereto		
If "Yes", Is it:       □ D001 (Ignitable)       □ D002 (Cor         Characteristic for Toxic Metals:       □ D004       □ D009         □ D010       □ D012         Characteristic for Toxic Organics: D012 thru D043 (please list and possible properties)	5 □ D006 □ [ 1	(Reactive) 0007	□ D009	
			<del>-</del>	-
s this an "F" or "K" Listed waste or mixed with one? If "Yes", then please list ALL applicable codes:	Yes	⊠No		-
s this a commercial product or spill cleanup that would carry  IO CFR 261.33(e) or (f)?  If "Yes", then please list ALL applicable codes:	a "U" or "P" waste coo ≚No	le under		_
Texas State Waste Code Number: <u>C &amp; S</u>	9-4891			
Proper US DOT Shipping Name:  Class:	NA RQ:	on DET	Regulated 11	Nate
Flash Point pH React	ive Sulfides Rea	tive Cyanides	Solids	]
740200 3-11 N/		MA mg/l	100 %	4
Oil & Grease         TOC           Imag/l         N/m         mg/l         N/m	Zinc Mg/i N/	Copper mg/l	Nickel  W P mg/l	-
COMPONENTS TABLE	<del></del>	CENTRATOIN	UNITS	]
The waste consists of the following materials	Ranges	are acceptable	or %	
Thes / Mags / Aloso Sent	<del> </del>	-90 g	- 69	┪
1 - 1 / / 10 - 1 / 1 - 3				
0.7	20	-10%	3/	1
0.72	-10	-10%	3/6	
O.C	10	-10 %	3/6	
0.72	10	- 10 %	3/6	
0.72	10	-10%	3/6	
O.12	10	-10%	5/6	
0.72		-10%	5/6	
Ø:/\(\tau_{	10	-106/	3/6	
<i>O</i> .72	10	-106/6	5/6	
<i>O:1</i>	10		5/6	
<i>O</i> -17	10		5/6	
<i>6.72</i>	10		3/6	
	10		5/6	

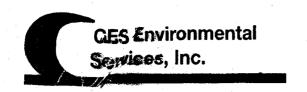
<ul> <li>Interceptor wastes</li> <li>Off-specification fuels</li> <li>Underground storage remediation waste</li> <li>Tank clean-out from petroleum or oily sources</li> </ul>		
<ul> <li>Underground storage remediation waste</li> <li>Tank clean-out from petroleum or oily sources</li> </ul>		
Tank clean-out from petroleum or oily sources		
Non-contact used glycols		
Aqueous and oil mixtures from parts cleaning operations		
Wastewater from oil bearing paint washes	and the second second second second second	
	* · · ·	
<u>Organics Subcategory</u> : Subpart C		
Landfill leachate		
Contaminated groundwater clean-up from non-petroleum s	sources	
Solvent-bearing wastes	,	
	•	
Off-specification organic product		
Still bottoms		
Byproduct waste glycol		
Wastewater from paint washes		
Wastewater from adhesives and/or epoxies formulation		
Wastewater from organic chemical product operations		
Tank clean-out from organic, non-petroleum sources		
rank clean-but norm organic, non-perforcam sources		
A-22		
(1)		
If the waste contains oil and grease at or in excess of 100 mg	g/L, the waste should be classified in the	oils subcategory.
(2)		٧,
If the waste contains oil and grease less than 100 mg/L, and	has any of the pollutants listed below in	concentrations in
excess of the values listed below, the waste should be classi		
	med in the metals subcategory.	
Cadmium: 0.2 mg/L		
Chromium: 8.9 mg/L	• •	
Copper: 4.9 mg/L		
· ·	and the second s	
Nickel: 37.5 mg/L		
or nickel above any of the values listed above, the waste shi	noun ne classifien in the organics subcate	gury.
Oils Subcategory		
Oris Subcategory Organics Subcategory		
Organics Subcategory		
Organics Subcategory	aboratory a sample to determine these c	
Organics Subcategory  SECTION 10 Additional Instructions  If you cannot determine the correct subcategory in Section 9 and you did Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial I	aboratory a sample to determine these c	
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1.	Base Pricing (including freight):
	#65/drum
2.	Contamination Limits (maximum limit before surcharges apply):
	CRIO DIO
3.	Surcharge Pricing:
•	
4.	Special Testing Requirements:
	Oliver of test start and Read delita
	thedrums are a solid debris waster with absorted block oil.
	thedrums are a solid debris waster with absorted black oil.
_	
5. 「	Treatment and Handling Protocol:
	Class 1 Solids
l	
6.	Treated Wastewater Discharge Subcategory:
	Subcategory A Subcategory B Subcategory C



7.	. Tests for Product Recovered/Recycled (If applicable):	
8.	Management for Product Recovered/Recycled (if applicable);	
	Bland w Blank OT	



# **Waste** Pre-Acceptance/Approval Letter

Date 9/2/2008

Dear Troy Swearingen

Thank you for choosing CES Environmental Services, inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2969

Expiration Date 9/2/2010

Generator: MTI Environmental

Address: 2150 Pansy Rd

Pasadena, TX 77503

Waste Information

Name of Waste: oily waste

TCEQ Waste Code #: CESQ6091

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

oily waste

Color: varies

Odor: hydrocarbon

**pH:** 3-11

**Physical State:** 

Incompatibilities: oxidizers

**Safety Related Data/Special Handling:** 

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.





4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<a href="http://www.cesenvironmental.com">http://www.cesenvironmental.com</a>
TCEQ Industrial Solid Waste Permit Number: 30948

ISWR Number: 30900

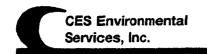
U.S. EPA ID Number: TXD008950461



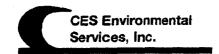
**SECTION 1: Generator Information** Company: MTI Environmental Address: 2150 Pansy St City: Pasadena State: TX Zip: 77503 Contact: Troy Swearingen Title: Phone Number: (832)257-6128 Fax Number: (713) 947-1529 (832)257-6128 24/hr Phone Number: US EPA ID No: State ID No: CESQG SIC Code: Same as Above SECTION 2: Billing Information -Company: Address: City: State: Zip: Contact: Title: Phone Number: Fax Number: SECTION 3: General Description of the Waste Name of Waste: 0:14 Waste:
Detailed Description of Process Generating Waste: Physical State: 🔀 Liquid ☐ Sludge Powder Solid Filter Cake Combination Color: Odor: 0.8-0.9 Density: 6.6-75 lbs/gal Specific Gravity (water=1): X No Does this material contain any total phenolic compounds? Yes Does this material contain any para substituted phenolic compounds? Yes Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following: 2816 2812 2813 2819 2821 2822 2823 2824 2834 2833 2835 2836 2841 2842 2844 2843 2851 2861 2865 2869 2873 2874 2876 2879 2891 2892 2893 2896 2899 2911 3312 4953 4959 9511 ☑ Single-phase ☐ Multi-phase Container Type: Drum ☐ Tote ☐ Truck ☐ Other (explain) Frequency: 
Weekly Monthly Yearly One-Time Quantity:

is this a USEPA "Hazard If "Yes", then please co	•			Yes Yes	, and a	No hed hereto		
If "Yes", Is it:	] D001 (Ignitabl Metals:	le)	D002 (Corr	☐ D006	] D003 (React	ive) D008	<u>©000</u>	
Characteristic for Toxic	Organics: D012							
Is this an "F" or "K" List If "Yes", then please I			?	☐ Yes	×	No		
is this a commercial pro 40 CFR 261.33(e) or (f)? If "Yes", then please i		□ Ye		a "U" or "P" wa   No	este code und	er		
Texas State Waste Code	Number:		CES	26091				
Proper US DOT Shipping Class:	Name: _UN/NA:	Non	PG:	Borl-	RQ:	mate -	BAL -	
Flash Point	pł	1	Reacti	ve Sulfides	Reactive (	yanides	Sol	ids
740700	3-11		620	mg/l	420	mg/l	9-10	%
Oil & Grease	1 70	~ i						
~/A <u>mg/i</u>	MA	mg/l	NU	Zinc 4 mg/l	Copy	mg/l	Nic	mg/l
M/A mg/l  SECTION 4: Physical and	Chemical Data	mg/I			NA	mg/l		mg/l
SECTION 4: Physical and	Chemical Data	mg/l	~ \( \( \)	<b>4</b> mg/l	CONCENTR	mg/l		mg/l Units
SECTION 4: Physical and	Chemical Data	mg/l	~ \( \( \)	4 mg/l	CONCENTR Ranges are ac	mg/l		mg/l
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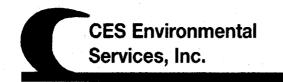
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation waste
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
Organic	: <u>Subcategary</u> : Subpart-C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bearing wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesives and/or epoxies formulation
	Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources
	Tank clean-out from organic, non-petroleum sources
(1)	
(1)	If the waste contains all and arease at as in exerce of 100 mm/l. The waste should be classified in the alls substations.
	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)	
(2)	If the worth contains all and groups less than 100 mg/l, and has any of the nell stands listed below in concentrations in
	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in
	excess of the values listed below, the waste should be classified in the metals subcategory.
	Cadmium: 0.2 mg/L
·	Chromium: 8.9 mg/L
	Copper: 4.9 mg/L
	Nickel: 37.5 mg/L
	Wilder St.Sing E
(2)	
(3)	the contract of the contract o
****	If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper
	or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	Metals Subcategory
	Oils Subcategory
	Organics Subcategory
	40 Ad Patrick Landson
SECTION	10 Additional Instructions
1 <b>.</b>	and deposition the agree to the state of a children of an investment of the state o
	nnot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium
	Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This
will be p	rior to acceptance. The generator will be responsible for the cost of the analysis.
SECTIO	l 11: Generator's Certification
The info	rmation contained herein is based on 💢 generator knowledge and/or 🔲 analytical data.
l hereby	certify that the above and attached description is complete and accurate to the best of
	vledge and ability to determine that no deliberate or willful omissions of compostion
	es exist and that all known or suspected hazards have been disclosed. I certify that the
materia	s tested are representative of all materials described by this document.
Authori	zed Signature: Date: 8-13-08
, taria,	Jac. 373 08
Printed	Name/Title: 1785 SWEATINGES E.D. MANAGEZ
CES USE	ONLY (DO NOT WRITE IN THIS SPACE)
Como!!-	nce Officer:
•	
Date:	9708 Approved Rejected
Approva	Number: 2969



1	
	\$ 00 45 drum
2.	Contamination Limits (maximum limit before surcharges apply):
3.	Surcharge Pricing:
4.	Special Testing Requirements:
	See if oil layer: () can be separated from
	See if oil layer: () can be separated from solido (2) If oil separated blems w/ Black oil
	3 Chlor-d-tect
5.	Treatment and Handling Protocol:
	a Remove solits Recycle sil if Idends w/ Block oil.
	(2) If not process as Class I Work
6.	Treated Wastewater Discharge Subcategory:
	Cubestages A Chesteges P Cubestages C
- 1	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



7.	Tests for Product Recovered/Recycled (if applicable):
3.	Management for Product Recovered/Recycled (if applicable);



## Waste Pre-Acceptance/Approval Letter

Date 9/2/2008

Dear Kenn Young

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2972

**Expiration Date** 9/2/2010

Generator: Soltex

**Address:** 1411 FM 565

Baytown, TX 77520

Waste Information

Name of Waste: Polybutene and absorbent debris

TCEQ Waste Code #: CESQ3011

**Container Type:** 

**Detailed Description of Process Generating Waste:**Dripping from trans loading from one trailer to another

Color: varies

Odor: none

**pH:** neutral

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. -AUG-27-2008 3:46Fi

CES ENVIROMENTAL

U.S. EPA ID Number: TXD008950461

SOLTEX FAX

7137488664

P.002

p.2

There cannot be any free liquids in tedrums.



3 B

4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<a href="http://www.cesenvkonmental.com">http://www.cesenvkonmental.com</a>
TCEQ industrial Solid Waste Permit Number: 30948

ISWR Number: 30900

**SECTION 1: Generator Information** Company: Soltex 1411 FM 565 Address: State: 77520 TX Zio: Citv: Baytown Kenn Young Title: Operations Manager Contact: Phone Number: (281) 587 -0900 Fax Number: (281) 573-2924 24/hr Phone Number: (281) 587-0900 US EPA ID No: TXCESQG State ID No: CESQG SIC Cade: na SECTION 2: Billing Information -Same as Above Soltex Address: 3707 FM 1960 West City: Houston State: Zip: 77068 Kenn Young Operations Manager Title: Contact: (281) 587-0900 Phone Number: Fax Number: (281) 573-2924 SECTION 3: General Description of the Waste Name of Waste: Polybutene and absorbent debris Detailed Description of Process Generating Waste: from one trailer to Another trans Loading Sludge
Filter Cake Physical State: Liquid Powder  $\Box$ Combination Solid nove Odor: Color: **Varies** Specific Gravity (water=1): Density: na lbs/gal na Does this material contain any total phenolic compounds? ☑ No Does this material contain any para substituted phenotic compounds? Yes 7 No Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) Yes √ No Answer "Yes" If your waste contains benzene AND if the SIC code from your facility is one of the following: 2812 2813 2816 2819 2821 2B22 2823 2824 2833 2834 2835 2836 2851 2R41 2842 2843 7RA4 2861 2865 2869 2873 2874 2876 2879 2891 2892 2893 2896 2899 2911 3312 4953 4959 9511 Lavers: Single-phase ☐ Multi-phase ☑ Drum ☐ Truck ☐ Other (explain) ☐ Tote Frequency: Weekly Monthly Yearly One-Time

AUG-27-2009 10:09 CES ENVIROMENTAL

713**7488664** P.003

Is this a USEPA "Razardor if "Yes", then please com				Yes		NO ached hereto		
If "Yes", Is it:		☐ 0004 ☐ 0016	□D011	□ <b>500</b> 0	0003 (Rea		e000 [	
is this an "F" or "K" Lister if "Yes", then please is			?	☐ Yes	E	] No	•	
Is this a commercial prod 40 CFR 261.33(e) or (f)? If "Yes", then please lis	-	Y		ı "U" er "P" wa ] No	ste code u	nder		
Texas State Waste Code I		<sup>ህ</sup> ዱ። <b>ደ</b> Ր <b>ጽ</b> ል የ	CESQ3011	gulated Materi	ol (Oolubute	-	tant dahric	
Class: na	_	na NCKA N	PG:	ua Buiateo Materi	RQ:	na and absor	Octor Gebola	-
Flash Point	рH		Reacti	ve Sulfides	Reactive	Cyanides	Soli	ds
>149 200	neytra	al	0	mg/l	0	mg/l	100	%
Oil & Grease								
Oil at Greate	TOC			Zinc .		pper	Nic	kel
>1500 <u>mg/l</u>	0	me/l	0				Nici 0	mg/i
>1500 mg/l  SECTION 4: Physical and	O  Chemical Data	mg/l	<del></del>	Zinc .	Co	pper mg/i		me/i
>1500 mg/l  SECTION 4: Physical and CON	O  Chemical Data  PPONENTS FABI	me/l	0	Zinc mg/l	CONCEN	mg/i mg/i		mr/I
>1500 mg/l  SECTION 4: Physical and	O  Chemical Data  PPONENTS TABLE  sts of the follow	me/l	0	Zinc mg/l	Co	mg/I mg/I		me/i
>1500 mg/l  SECTION 4: Physical and CON	O  Chemical Data  PPONENTS FABI	me/l	0	Zinc mg/l	CONCEN' Ranges are	mg/I mg/I  TRATOIN acceptable		UNITS

AUG-27-2009 10:10

CES ENVIROMENTAL

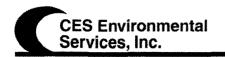
713**7488664** P.004

SECTION 5: Satisfies the handling Standard			the use of spe	cial protective eq	uipment, please	explain.	
SECTION 6: At		·					
				thed to this form a	s nart of the wa	cta	
approval packa		none	ii allaiysis atta		s part of the we	1316	
SECTION 7: Inc			. •				
Please list ALL i	ucompa	tibilities (if an	y):				
none known						· · · · · ·	•
SECTION 8: Ge Laboratory and based upon the	lysis of t	he hazardous	waste charact	<u>n</u> eristics, listed belo	w, WAS NOT PI	ERFORMED	
TCLP Metals:		×					·
TCLP Volatiles:		x		<u> </u>		<del>-</del>	
TCLP Semi-Vola	tiles:	x		· · · · · · · · · · · · · · · · · · ·		* * * * * * * * * * * * * * * * * * * *	
Reactivity:		x					
Corrosivity:		x					
Ignitability:		X					
Facilities)	this mate		ter or wastewat		e-Treatment Reg	uirements fo	or Centralized Waste Treatment  No
PL	EASE CHE	CK THE APPRO	PRIATE BOX. IF	NO APPROPRIATE	CATEGORY, GO T	THE NEXT	PAGE.
Me   Ch   Air   Spi   Inc   Wi   Cyi   Cie	ent electretai finish romate war pollution ent anodicineration este fiquio anide-con este acids aning, rispatory de	roplating baths ling rinse wates a control blow izing solutions a wastewaters d mercury intaining waste a and bases with insing, and surf eburring waste	down water and s greater than 1: h or without me ace preparation water	i sludges 36 mg/l		sphating ope	erations
0   	ed oils -water ei bricants olants ntaminat	nulsions or mi ed groundwate eum products		petroleum sources	,		

AUG-27-2008 10:10 CES ENVIROMENTAL

7137488664 P.005

	interceptor wastes
	U Off-specification fuels
	Underground storage remediation waste
	☐ Tank clean-out from petroleum or oily sources
	■ Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
<b></b>	
Organics .	<u>Subcategory</u> : Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bearing wastes
	Off-specification organic product
	☐ Still bottoms
	Bygraduct waste glycol
	■ Wastewater from paint washes
	☐ Wastewater from a dhesives and/or epoxies formulation
	Wastewater from organic chemical product operations
	Tank clean-out from organic, non-petroleum sources
(1)	
(1)	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
	in and waste containty on one greate at the interest of 100 mg/s, the waste should be classified in the one state address.
(2)	
	If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in
	excess of the values listed below, the waste should be classified in the metals subcategory.
	Cadmium: 0.2 mg/L
	Chromium: 8.9 mg/L
	. <del>-</del>
	Copper: 4.9 mg/L
	Nickel: 37.5 mg/L
(5)	
(3)	Make a second of the second of
	If the waste contains of and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper,
	or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
	☐ Metals Subcategory
	Olls Subcategory
	Organics Subcategory
SECTION 2	O Additional instructions
If you can	not determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium,
Copper, N	lckel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This
will be pri	or to acceptance. The generator will be responsible for the cost of the analysis.
SECTION	11: Generator's Certification
The infor	mation contained herein is based on 🔃 generator knowledge and/or 🔲 analytical data.
	<u> </u>
•	certify that the above and attached description is complete and accurate to the best of
	ledge and ability to determine that no deliberate or willful omissions of compostion
	s exist and that all known or you spected hazards have been disclosed. I certify that the
materials	tested are representative of all materials described by this document.)
Authoriza	ed Signature: Date; 8-21- 08
Printed N	ame/Title: Kenn Young Operations Mg.
CES LISE	ONLY (DO NOT WRITE IN THIS SPACE)
	war V A AT AT A
-	ce Officer: Kerblyki Kray
Date:	9-2-08 Paperoved Rejected
Approval	Number: 2476



1. Base Pricing (including freight):
\$60/drn + F5c
2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing:
4. Special Testing Requirements:
There cannot be any free liquids in the drums.
5. Treatment and Handling Protocol:
Bulk ; who Class I Salids
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



7. Tests for Product Recovered/Recycled (if applicable):			
There cannot be any free liquids in the drums.			
8. Management for Product Recovered/Recycled (if applicable)			

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 9/2/2008

Dear David Shaw

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2973

Expiration Date 9/2/2010

Generator: Koppers, Inc. Address: PO Box 189

Somerville, TX 77879

Waste Information

Name of Waste: Lead acid batteries TCEQ Waste Code #: UNIV309H

**Container Type:** 

pallet of 12-15 batteries

**Detailed Description of Process Generating Waste:** 

Spent lead acid batteries

Color: various

Odor: none

pH: na

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

level d

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thak you,

Matt Boman, President CES Environmental Services, Inc. The batteries should be named "(hivers al waster)".

The batteries must go to a recycler.

The batteries must be weight CES Environmental Services, Inc.

4904 Griges Road, Houston, TX 77021

GB

4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676 http://www.cesenvironmental.com

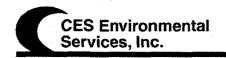
TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900 **SECTION 1: Generator Information** Company: Koppers, Inc. Address: PO Box 189 City: Somerville State: Zip: 77879 Texas Contact: David R. Lauter Jr. Title: Safety Health & Environmental Coordinator Phone Number: (979) 596-1321 Fax Number: 979-596-2719 24/hr Phone Number: 936-520-9597 US EPA ID No: TXR000003780 State ID No: N/A 83899 SIC Code: SECTION 2: Billing Information -☐ Same as Above Koppers, Inc. Company: Address: PO Box 189 77879 City: Sommerville State: Texas Zip: Contact: David Shaw Title: Phone Number: (979) 596-1321 Fax Number: SECTION 3: General Description of the Waste Name of Waste: **Lead Acid Batteries Detailed Description of Process Generating Waste: Spent Lead Acid Batteries** Powder **Physical State:** Sludge Liquid Filter Cake Combination Image: Control of the con Solid Color: Odor: various None Specific Gravity (water=1): N/A Density: N/A lbs/gal Yes ✓ No Does this material contain any total phenolic compounds? ☑ No Does this material contain any para substituted phenolic compounds? Yes Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) Yes  $\boxed{2}$ No Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following: 2834 2812 2813 2816 2819 2821 2822 2823 2824 2833 2861 2865 2869 2835 2836 2841 2842 2843 2844 2851 2911 2896 2873 2874 2876 2879 2891 2892 2893 2899 3312 4953 4959 9511 Multi-phase Layers: Single-phase ☐ Truck ☑ Other (explain) **Container Type:** □ Drum ☐ Tote Frequency: Weekly Monthly Yearly One-Time Quantity: 1 pallet of about 12-15 batteries

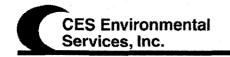
If "Yes", then please co  If "Yes", is it:  Characteristic for Toxic		derlying Haza  ✓ D002 (Cor  4 □ D005  0 □ D011	rosive) [ 5 ] D006	nts Form atta	ctive)	<u>□</u> 0000	
	ed waste or mixed with one ist ALL applicable codes:	e?	☐ Yes	<b>V</b>	No		
40 CFR 261.33(e) or (f)?	iduct or spill cleanup that w		a "U" or "P" wa ] No	ste code ur	der	44400	
Texas State Waste Code	Number:	UNIV309H					
Proper US DOT Shipping	<del></del>		ith acid, 8, UN2				
Class:	B UN/NA: UN2794	_PG:	111	RQ:	N/A		
Flash Point	рН	Reacti	ve Sulfides	Reactive	Cyanides	Sol	ids
N/A	N/A	0	mg/l	0	mg/l	80-100	%
Oil & Grease	TOC		Zinc		per	Nic -	
0 <u>mg/l</u>	0 <u>mg/l</u>	0	mg/l	0	mg/l	0	<u>mg/l</u>
SECTION 4: Physical and	Chemical Data		-	CONCENT	RATOIN		UNITS
	sists of the following materi	als		Ranges are			or %
	ad Acid Batteries	<del></del>		10			%
						Pharman Law	
						<del></del>	
			1				i

	Safety Relate					
If the handli	ng of this was	ste requires the us	e of special protec	tive equipment, please	explain.	
Level D						
				Maria de la compania		
		_				
		pporting Documer				
List all docur	nents, notes,	, data and/or analy	sis attached to thi	s form as part of the wa	ste	
approval pac	:kage.	None				
SECTION 7:	Incompatibil	<u>lities</u>				
Please list AL	L incompatib	oilities (if any):				
None						
SECTION 8: 1	Ganaratar's k	Knowledge Docum	entation			
				ed below, WAS NOT PE	DEODMEN	
•	-			ed below, was NOT FE	.KFOKIVILD	
naseu upo(ii t	ne ionowing	generator knowle	age:			
TCLP Metals:		х				
TCLP Volatile		^ X				
	-					
TCLP Semi-Vo		X		· · · · · · · · · · · · · · · · · · ·		
Reactivity:	_	X		·		
Corrosivity:	_	Х				
Ignitability:	_	X				
	_					
	aste Receipt (	Classification Under	40 CFR 437 (Prtaini	ng to Pre-Treatment Req	<u>uirements fo</u>	r Centralized Waste Treatment
<u>Facilities)</u>						,
ļ		il a wastewater or w	-	:	L YES	✓ NO
	If 'Yes', co	omplete this section.	•			
	PLEASE CHECK	CTHE APPROPRIATE	BOX. IF NO APPRO	PRIATE CATEGORY, GO TO	O THE NEXT I	PAGE.
	<u>egory</u> : Subpo					
		plating baths and/or				
,	-	g rinse water and slu	ıdges			
=	Chromate was		,			
- comman		ontrol blow down w	ater and sludges			
	Spent anodizin					
	ncineration w					
	Waste liquid m					
		ining wastes greate				
		nd bases with or wit				Ni
			paration solutions tr	om electroplating or pho	spnating ope	rations
		urring wastewater cid solutions used to	cloan motal parts	v aquinment		•
٠,	nomie dilu ac	sia soiutions used to	rocan metal parts (	v edaibinetti		
Oils Subcatego	<u>ory</u> : Subpart l	В				
	Jsed oils					
=		ilsions or mixtures				
===	ubricants.					
=	Coolants					
		l groundwater clean-	-up from petroleum	sources		
	Jse <b>d</b> petroleui					
	Dil spill clean-u	up				
	Bilge water					
1 1 1	kınse/wash wa	aters from petroleur	n sources			

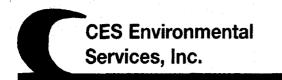
☐ Interceptor wastes	
Off-specification fuels	
Underground storage remediation waste	
Tank clean-out from petroleum or oily sources	
Non-contact used glycols	
Aqueous and oil mixtures from parts cleaning operation	is .
Wastewater from oil bearing paint washes	
Oranning Subantagana - Subanat C	
Organics Subcategory: Subpart C  Landfill leachate	
Contaminated groundwater clean-up from non-petrolei	IM COLLEGE
Solvent-bearing wastes	311. 2001 002
Off-specification organic product	
Still bottoms	
Byproduct waste glycol	
Wastewater from paint washes	
☐ Wastewater from adhesives and/or epoxies formulation	1
Wastewater from organic chemical product operations	
☐ Tank clean-out from organic, non-petroleum sources	
(1)	
If the waste contains oil and grease at or in excess of 10	0 mg/L, the waste should be classified in the oils subcategory.
(4)	
(2)	and has any of the walk to the like of bottom. It as a contact to the
	and has any of the pollutants listed below in concentrations in
excess of the values listed below, the waste should be c	assified in the metals subcategory.
Cadmium: 0.2 mg/L	
Chromium: 8.9 mg/L	
Copper: 4.9 mg/L	
Nickel: 37.5 mg/L	
(3)  If the waste contains oil and grease less than 100 mg/L, or nickel above any of the values listed above, the waste   Metals Subcategory  Oils Subcategory  Organics Subcategory	and does not have concentrations of cadmium, chromium, copper, should be classified in the organics subcategory.
SECTION 10 Additional Instructions	
If you cannot determine the correct subcategory in Section 9 and you Copper, Nickel, and Oil and Grease, CES will send offsite to a commerc will be prior to acceptance. The generator will be responsible for the c	ial laboratory a sample to determine these concentrations. This
SECTION 11. Congretor's Contification	
SECTION 11: Generator's Certification	
The information contained herein is based on  generato	
hereby certify that the above and attached description is compl	
my knowledge and ability to determine that no deliberate or will	ful omissions of compostion
properties exist and that all known or suspected hazards have be	en disclosed. I certify that the
materials tested are representative of all materials described by	this <b>d</b> ocument.
Authorized Signature: Wawk Fault	Date: 8/25/08
your justice	0,00,00
Printed Name/Title: David K. Laut	er Tr.
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
a Dat 1	
Compliance Officer: Colhwellerd	
	Rejected
	nej couce
Approval Number: 2973	



1. Base Pricing (including freight):
1000 754/16. Trans 7000/.HV & FJC
Trans ) of the first
2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing:
Miller Designation of the state
4. Special Testing Requirements:
The Batteries must be neighbor the weight recorded,
5. Treatment and Handling Protocol:
6. Treated Wastewater Discharge Subcategory:
en de Maria Caractería de Caractería de Caractería de Caractería de Caractería de Caractería de Caractería de La figura de Caractería de
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



ight recorder.
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4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 9/2/2008

Dear David Doyle

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2974

Expiration Date 9/2/2010

Generator: Oyo Geospace Address: 7007 Pinemont

Houston, TX 77040

Waste Information

Name of Waste: RCRA empty containers

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

RCRA empty misc containers

Color: varies

Odor: none

pH: NEUTRAL

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

LEVEL d

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

#### **CES Environmental** Services, Inc.

Are thy metal, plastic, etc. 4904 Griggs Road Houston, TX 77021

All contrainers must be Phone: (713) 676-1460 Fax: (713) 676-1676

employ these entainers http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

and Magalel? U.S. EPA ID No: TXD008950461 ISWR No: 309

Fax: (713) 676-1676

**ISWR No: 30900** 

GB

SECTION 1: General	ator Information												
Company:	Oyo Geospace												
Address :	7007 Pinemont	7007 Piner	nont										
City, State, Zip:	Houston TX 7704	40											
Contact:	David Doyle						Title :						
Phone No:	(713) 986-4444						Fax:	(71	13) 986	4445	···		
24 / HR Phone :			=				_						
U.S EPA I.D No:	TXR000077388						_						
State I.D:	88089						SIC Cod	e 38	29				
SECTION 2: Billing	Information												
Company :	Oyo Geospace												
Address :	7007 Pinemont	7007 Piner	nont										
City, State, Zip:	Houston TX 7704	40											
Contact:	David Doyle						Title:						
Phone No :	(713) 986-4444				_		Fax:	(71	3) 986-	4445			
SECTION 3: Genera	al Description of th	e Waste											
Name of Waste :			conta	ا ا	×4	of the place	were by a real process.	: '=, **	er o galera,	• " <u>"</u> " : • • • • • • • • • • • • • • • • • •	ar will	Francisco	gardin a again <del>a san a</del>
Detailed Descript					<u> </u>								
RCRA empt			_		۳٤						•		
West (Speed)	y wiisceit	<b>U</b>											
Physical State :	Liquid		Sluc	ge		Pov	wder						
	<b>✓</b> Solid		Filte	r Cake		Coi	mbination						
Color:	·	Vo	iries	<u> </u>	Od	or:	٠.			N	DNE		
Specific Gravity (	Water=1) :	4	AL		Dei	nsity :			. :	NA	<u> </u>		lbs / gal
Does this material	contain any total p	henolic cor	npounds	?	Ye	S	<b>✓</b> No						
Does this material	contain any para s	ubstituted p	henolic	compou	ınds?		Yes		<b>∕</b> No				
Is the Waste subject	t to the benzene w	aste opera	tion NES	HAP? (4	IO CFR F	art 61,	Subpart FF	F)		Yes	<b>×</b>	No	
2812 2813 2	816 2819 282	1 2822	2823	2824	2833	2834	2835 2	2836	2841	2842	2843	2844	2851
2861 2865 2	869 2873 287	4 2876	2879	2891	2892	2893	2896 2	2899	2911	3312	4953	4959	9511
Layers:	⊠ Single-P	has	☐ Mul	ti-Phas	e .								
Container Type:	<b>☑</b> Drum	s T	ote		Truck		Other (ex	xplaiı	n)				
Container Size :	55												
Number Of Units											٠		
	ease complete, sign	and date the				<b>res</b> onstituen	No No nts Form att	tachec	l hereto				

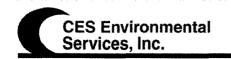
Characteristic for Toxic Metals	: 🗌 D004 🔲 D00	)5 🗌 D006 🔲 D	007	
	D008 D00	9 D010 D	011	
Characteristics for Toxic Organ	nics: D012 thru D043 (ple	ease list all that apply)		
Is this an "F" or "K" Listed was	te or mixed with one?	🗌 Yes 🔀 No		
If "Yes", then please list AL	L applicable codes:			
Is this a commercial product or 261.33(e) or (f)?	r spill cleanup that would	d carry a "U" or "P" waste	e code under 40 CFR	∕es <b>k</b> No
If "Yes", then please list AL	.L applicable codes:			
Texas State Waste Code No :	Recycle			
Proper U.S. State Waste Code	No :	Non-RCRA/Non-	-DOT Regulated Ampty	ontainers
Class:	UN/NA :	PG:		RQ:
Flash Point	рН	Reactive Sulfides	Reactive Cyanides	Solids
>200	neutral	0mg/l	0 mg/l	100 %
Oil and Grease	тос	Zinc	Copper	Nickel
<b>⊘</b> mg/l	O mg/l	0 mg/l	0 mg/l	0mg/l
SECTION 4: Physical and Chemic	al Data			
	OMPONENTS TABLE uct consists of the follo	owing materials	Concentration Ranges are accept	
	empty cont		100	%
	- 4			%
				%
i. Harring na mener jang na maan ong manggin samjanganan	And the second of the second o	og et <del>fra</del> gsky gry - S <del>ke</del> r	e alas tarifes server salas per serveges.	Same and the state of the state
SECTION 5: Safety Related Data				
If the handling of this waste re	equires the use of speci	ial protective equipmen	t, please explain.	
level D				
				•
SECTION 6: Attached Supporting				• •
List all documents, notes, data	a, and/or analysis attac	hed to this form as part	of the waste approval pac	kage.
NONE				
SECTION 7: Incompatibilities				
Please list all incompatibilities	i (if any):			
None				
CECTION O. Comments I. Id.	D			÷
SECTION 8: Generator's Knowledg			AC MOT DEDECOR	-1
Laboratory analysis of the haz following generators knowled		ristics, listed below, WA	AS NOT PERFORMED base	a upon the
TCLP Metals : X	<b>₽</b> ₹			
TCLP Volatilies: X				
TOLD 0 1/4-1-491				
그 이 글 짧아 나는 돈 본 회사에 하루 바			Sea de la companya della companya de	
Reactivity: <u>x</u>		2		

Ignita	ability: <u>x</u>
SECT	ION 9: Waste Receipt Classification Under 40 CFR 437
Is this	s material a wastewater or wastewater sludge ?
If 'YE	S', complete this section
	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
	s Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oils S	Subcategory: Subpart B
	Used oils
	Oil-water emulsions or mixtures
	Lubricants
	Coolants (Accept For And Marketing and the Control Accept to the Andrew Control A
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
Organ	nics Subcategory Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation

Corrosivity:

☐ Wastewater from organic chemical product operations

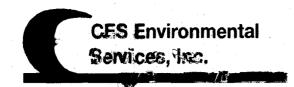
Tank clean-out from organic, non-petroleum sources
(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory
(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory
Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L
(3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
☐ Metals Subcatego
☐ Oils Subcatego
☐ Organics Subcategory
SECTION 10: Additional Instruction
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.
SECTION 11: Generator's Certification  The information contained herein is based on generator knowledge and/or analytical data. I hereby cerity that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.
Authorized Signature: No Signature needed (Recyclable) Date: 8/27/2008
Printed Name / Title: David Doyle / Printed Name / Title: David Doyle / Printed Name / Title: David Doyle / Printed Name / Title: David Doyle / Printed Name / Title: David Doyle / Printed Name / Title: David Doyle / Printed Name / Title: David Doyle / Printed Name / Title: David Doyle / Printed Name / Title: David Doyle / Printed Name / Title: David Doyle / Printed Name / Title: David Doyle / Printed Name / Title: David Doyle / Printed Name / Title: David Doyle / Printed Name / Title: David Doyle / Printed Name / Title: David Doyle / Printed Name / Title: David Doyle / Printed Name / David Doyle / Printed Name / David Doyle / Printed Name / David Doyle / Printed Name / David Doyle / Printed Name / David Doyle / Printed Name / David Doyle / Printed Name / David Doyle / Printed Name / David Doyle / Printed Name / David Doyle / Printed Name / David Doyle / Printed Name / David Doyle / Printed Name / David Doyle / Da
CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Process Facility Information:  Compliance Officer: Prabhakar Trangudu
Date: 9-2-08 Status: Approved Rejected
Approval Number: 2974



1. Base Pricing (including freight):
\$ 100 Tote Trans \$70 + F5C
4
7 100 1016
2. Contamination Limit (maximum limit before surchages apply):
<u></u>
3. Surcharge Pricing:
1. Special Testing Requirements:  Le Containers must be employ.
the containers must be smaller
julia di karangan paga
5. Treatment and Handling Protocol:
3. Heatment and nandmig Protocol.
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



7. Tests for Product Recovered/Recycled (if applicable):	
Il containere must be empty.	-
8. Management for Product Recovered/Recycled (if applicable)	
Reycle Containers	



4904 Griggs Road Houston TX 77021 Tel. (713) 676,4460 Fax. (713) 676,1460

# Waste Pre-Acceptance Approval Letter

Date: 9/2/2608

Dear David Shaw

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2975

Expiration Date 9/2/2010

Generator: Koppers, Inc. Address: PO Box 189

Somerville, TX 77879

Waste Information

Name of Waste: Fluorescent and metal halide bulbs and lamps (Univ waste)

TCEQ Waste Code #: UNIV309H

Container Type:

box

**Detailed Description of Process Generating Waste:** Spent fluorescent and metal halide bulbs and lamps

Color: white to clear

Odor: none

pH: na

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

level d

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Emerormental Services, Inc. Must go to a recycler



GB

4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676 http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit Number: 30948

ISWR Number: 30900

U.S. EPA ID Number: TXD008950461

**SECTION 1: Generator Information** Company: Koppers, Inc. Address: PO Box 189 City: Somerville State: Texas Zip: 77879 Contact: David R. Lauter Jr. Title: Safety Health & Environmental Coordinator Phone Number: (979) 596-1321 Fax Number: 979-596-2719 24/hr Phone Number: 936-520-9597 US EPA ID No: TXR000003780 State ID No: 83899 SIC Code: N/A **SECTION 2: Billing Information -**Same as Above Company: Koppers, Inc. Address: PO Box 189 City: Sommerville State: 77879 Texas Zip: Contact: David Shaw Title: **Phone Number:** (979) 596-1321 Fax Number: **SECTION 3: General Description of the Waste** Name of Waste: Fluorescent and Metal Halide bulbs and lamps (Universal Waste) **Detailed Description of Process Generating Waste:** Spent Fluorescent and Metal Halide bulbs and lamps **Physical State:** Liquid Sludge Powder **4** Solid Filter Cake Combination Color: White to Clear Odor: None Specific Gravity (water=1): N/A Density: N/A lbs/gal Does this material contain any total phenolic compounds? П Yes ✓ No Does this material contain any para substituted phenolic compounds? √ No П Yes Is the Waste subject to the benzene waste operation NESHAP? (40 CFR Part 61, Subpart FF) Yes  $\overline{\mathbf{V}}$ No Answer "Yes" if your waste contains benzene AND if the SIC code from your facility is one of the following: 2812 2813 2816 2819 2821 2822 2823 2824 2833 2834 2835 2836 2841 2842 2843 2844 2851 2861 2865 2869 2873 2874 2876 2879 2891 2892 2893 2896 2899 2911 3312 4953 4959 9511 Layers: Single-phase Multi-phase **Container Type:** Drum ☐ Tote ☐ Truck ☑ Other (explain) Frequency: Weekly Monthly Yearly One-Time Quantity: 3 boxes

Is this a USEPA "Hazardous Waste" per 40CFR 261.3?  Yes No If "Yes", then please complete, sign and date the Underlying Hazardous Constituents Form attached hereto											
Characteris	If "Yes", Is it: D001 (Ignitable) D002 (Corrosive) D003 (Reactive)  Characteristic for Toxic Metals: D004 D005 D006 D007 D008 D009  D010 D011  Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)										
	Is this an "F" or "K" Listed waste or mixed with one?  If "Yes", then please list ALL applicable codes:										
40 CFR 261	.33(e) or (f)?	luct or spill clea st ALL applicable	<u> </u>		/ a "U" or "P" ☑ No	waste code u	nder				
Texas State	Waste Code	Number:		UNIV309	Н		<b>-</b> ,				
Proper US I	OOT Shipping	Name:	nvironme	ntally Haza	rdous Substa	nce, Solid, N.C	).S.				
Class:	9	UN/NA:	JN3077	PG:	1	RQ:	N/A	,			
Flasi	n Point	pH		Read	tive Sulfides	Reactive	e Cyanides	So	lids		
1	I/A	N/A		0	mg/l	O O	mg/l	100	%		
Oil & Grease TOC					Zinç	Co	pper	Nickel			
0	mg/l	0	mg/l	0	mg/l	0	mg/l	0	mg/l		
SECTION 4.	Physical and	Chemical Data									

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
Fluorescent Light Bulbs	0-100	%
Metal Halide Bulbs	0-100	%
	ALL VIEW TO THE PARTY OF THE PA	
	W	

SECTION 5	: Safety Rel	ated Data					
If the hand	lling of this v	vaste requires the	use of special	protective equ	ipment, please e	explain.	
Level D							
	uments, note	Gupporting Docur es, data and/or ar None		to this form as	part of the was	ite	
	: Incompatil	bilities tibilities (if any):					
Laboratory	analysis of t	's Knowledge Doo he hazardous was ng generator kno	ste characterist	ics, listed belov	v, WAS NOT PE	RFORMED	
TCLP Metal	le•	ý					
TCLP Volati		X					
,		X					
TCLP Semi-	voiatiles:	X		····			
Reactivity:		X					
Corrosivity:		X					
Ignitability:		X			· · · · · · · · · · · · · · · · · · ·		
SECTION 9: Facilities)	is this mate	ot Classification Un rial a wastewater of complete this sect	r wastewater slu		-Treatment Requ	YES	or Centralized Waste Treatment  NO
	PLEASE CHE	CK THE APPROPRIA	ATE BOX. IF NO	APPROPRIATE C	ATEGORY, GO TO	THE NEXT	PAGE.
	Metal finish Chromate w Air pollutior Spent anodi Incineration Waste liquid Cyanide-cor Waste acids Cleaning, rir Vibratory de Alkaline and	oplating baths and ing rinse water and vastes a control blow down ing solutions a wastewaters of mercury ataining wastes greated bases with orasing, and surface peburring wastewatel acid solutions use	d sludges  n water and slud  ater than 136 m  without metals preparation soluter	g/l tions from electi		phating ope	erations
yiis Subcate	<i>gory : Subpa</i> ] Used oils	ur p					
F	=	nulsions or mixture	25				
F	Lubricants		- <del>-</del>				
===	Coolants						
	Contaminat	ed groundwater cl	an-up from peti	roleum sources			
armen armen		eum products	•				
	Oil spill clea						
	Bilge water						
F		waters from petro	eum sources				

☐ Interceptor wastes	
Off-specification fuels	
Underground storage remediation waste	
Tank clean-out from petroleum or oily sources	
☐ Non-contact used glycols	
Aqueous and oil mixtures from parts cleaning operations	
☐ Wastewater from oil bearing paint washes	
Organics Subcategory: Subpart C	
☐ Landfill leachate	
Contaminated groundwater clean-up from non-petroleum sources	
Solvent-bearing wastes	
Off-specification organic product	
Still bottoms	
☐ Byproduct waste glycol	
☐ Wastewater from paint washes	
Wastewater from adhesives and/or epoxies formulation	
☐ Wastewater from organic chemical product operations ☐ Tank clean-out from organic, non-petroleum sources	
Tank clean-out non organic, non-perforeum sources	
(1)	
If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.	
2,	
(2)	
If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in	
excess of the values listed below, the waste should be classified in the metals subcategory.	
Cadmium: 0.2 mg/L	
Chromium: 8.9 mg/L	
Copper: 4.9 mg/L	
Nickel: 37.5 mg/L	
(3)	
If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, coppe	r,
or nickel above any of the values listed above, the waste should be classified in the organics subcategory.	
☐ Metals Subcategory	
Oils Subcategory	
☐ Organics Subcategory	
SECTION 10 Additional Instructions	
SECTION 30 PARTICULAR MISCHELLONS	
If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromiun	١,
Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This	•
will be prior to acceptance. The generator will be responsible for the cost of the analysis.	
SECTION 11: Generator's Certification	
The information contained herein is based on  generator knowledge and/or  analytical data.	
I hereby certify that the above and attached description is complete and accurate to the best of	
my knowledge and ability to determine that no deliberate or willful omissions of compostion	
·	
properties exist and that all known or suspected hazards have been disclosed. I certify that the	
materials tested are representative of all materials described by this document.	
Authorized Signature: Sure Sure Date: 8/25/08	
Printed Name/Title: ) au of Lauter ) C.	
	_
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
0 21	
Compliance Officer: Yall with the	
fermina de la companya del companya della companya	
Approval Number: 2975	



1. Base Pricing (including freight):					
\$ 1.50 fora 75	\$ 14 /3 ca 8 /3	4/195			
	Trans	70°0/	14/17		
2. Contamination Limit (maximum li	mit before surchag	es apply):			
3. Surcharge Pricing:					
no see no orași de see no ese en orași de see		· · · · · ·	artini ili artini e	erwe until the	
4. Special Testing Requirements:					
5. Treatment and Handling Protocol:			<u> </u>	· · · · · · · · · · · · · · · · · · ·	
Must go to a recu					
6. Treated Wastewater Discharge Su	bcategory:			· ·	·
☐ Subcategory A ☐ Su	bcategory B	] Subcategory C			



7. Tests for Product	Recovered/Recycled	(if applicable):	·	·	
				•	
	-				
8. Management for	Product Recovered/R	ecycled (if applicable)			

2976 5tel & Pipe Supoly



# **Waste Pre-Acceptance/Approval Letter**

Date 9/2/2008

Dear Ron Kohler

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2976

**Expiration Date** 9/2/2010

**Generator:** Steel & Pipe Supply **Address:** 1550 North Witter

Pasadena, TX 77506

Waste Information

Name of Waste: floor sweepings, metal shavings

TCEQ Waste Code #: CESQ3071

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

general shop floor clean up

Color: black

Odor: hydrocarbon

pH: na

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc. No The state waste Colo.

# CES Environmental Services, Inc.

4904 Griggs Road

Houston, TX 77021

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene	erator Information						
Company:	Steel & Pipe Suppl	ly					
Address:	1550 N Witter						
City, State, Zip:	Pasadena Tx 7750	16					
Contact:	Kelly Marsh			_ Title:	Maintene	ence	
Phone No:	713-472-5614			_ Fax No:			
24/hr Phone:				_			
U.S. EPA I.D. No:	cesqg			_			
State I.D.	cesqg			SIC Code:			
CECTION 2. Date.		· · · · · · · · · · · · · · · · · · ·					
Company:	ng Information – Select Environmental		2				
Address:	223 McCarty Dr.	ı					
7 <b>1441</b> C55•	223 Mocarty Dr.						
City, State, Zip:	Houston Tx 77029						-
Contact:	Kevin White		Title:	sales			
Phone No:	281-960-3967		Fax No:	713-255-176	1		
			_				
<b>SECTION 3: Gene</b>	eral Description of the	e Waste					
	oor sweepings, metal sl n of Process Generati Liquid Solid			or clean up  Powder  Combinatio	n		
Color: black	C	dor: <u>hydrocar</u>	<u>bon</u>				
Specific Gravity (w	rater=1):	Densit	y: lbs/g	gal			
Does this material o	contain any total pher	aolic compoun	ds? 🗌 Yes	⊠ No			
Does this material o	contain any para subs	stituted pheno	lic compound	ls? 🗌 Yes	⊠ No		
Layers:	<b>⊠</b> Single-phase		ulti-phase				
Container Type: Container Size:	∑ Drum 55 gal	Tote		Truck		Other (explain)	
Frequency:	☐ Weekly	☐ Month	ly 🖂	Quarterly	П	Yearly	
			• —	Quarterly	Ш	1 carry	
Number of Units (c	′ <b>–</b>	Other:	<del></del>				
Texas State Waste	Code No:	ESQ 307	. 1.				
Proper U.S. DOT S		non haz					
Class				DC:		DO:	
Class:	UN/NA	<b>Α</b> :	<u>&gt;</u> ·	PG:	46	RQ:	na

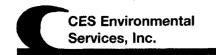
lash Point	pH ~~	Reactive Sulfides		Cyanides	Solids	.,
il&Crassa	TOC	₩ mg/l		VI Nicke		/o
Mg/1 > 1500	) in mg/l	<u> </u>	/∕∕mg/l		mg/l	
ECTION 4: Physi	cal and Chemical I	<u>Data</u>				
	COMPONEN			Concentration		Unis
	waste consists of th	ne following materials		Ranges are acce	ptable	OF %
or dry			<u> </u>			20%
etal shavings						10%
elai silaviilgs						1076
						-
		<del></del>	<del></del>			
CTION 5: Safety	v Related Data					
A	us waste requires th	he use of special protec	ctive equipment, ple	ase explain.		
— std						
CTION 6: Attac	hed Supporting Do	cuments				
st all documents,	notes, data, and/or	analysis attached to th	ois form as part of t	te waste approv	al package	e.
_ vove					_	
CTION 7: Incom	nnatibilities	•				
		·				
ease list all incom	patibilities (if any):	·				
ease list all incom	patibilities (if any):					
lease list all incom	patibilities (if any):					
ECTION 8: General Burners of the second seco	patibilities (if any): rator's Knowledge of the bazardous		isted below, WAS N	OT PERFORM	ŒD based	upon the following
lease list all incom  COV  ECTION 8: Generatory analysis enerator knowledge	patibilities (if any);  rator's Knowledge s of the hazardous v	<b>Documentation</b>	isted below, WAS N	OT PERFORM	IED based	upon the following
ease list all incom  CCTION 8: Generatory analysis enerator knowledge  CLP Metals:	patibilities (if any);  rator's Knowledge s of the hazardous ve:  x	<b>Documentation</b>	isted below, WAS N	OT PERFORM	ŒD based	upon the following
ease list all incom  CCTION 8: Generatory analysis merator knowledge  CLP Metals: CLP Volatiles:	patibilities (if any);  rator's Knowledge s of the hazardons ve:  x x	<b>Documentation</b>	isted below, WAS A	OT PERFORM	ŒD based	upon the following
ease list all incom  CCTION 8: Generatory analysis merator knowledge  CLP Metals;  CLP Volatiles;  CLP Semi-Volatile eactivity:	patibilities (if any);  rator's Knowledge  of the bazardous ve:  x	<b>Documentation</b>	isted below, WAS N	OT PERFORM	IED based	upon the following
ease list all incom  CCTION 8: Generatory analysis merator knowledge  CLP Metals; CLP Volatiles; CLP Semi-Volatile eactivity: orrosivity:	paribilities (if any);  rator's Knowledge s of the hazardous ve:   x x x x x	<b>Documentation</b>	isted below, WAS N	IOT PERFORM	ŒD based	upon the following
ease list all incom  CCTION 8: Generatory analysis merator knowledge  CLP Metals; CLP Volatiles; CLP Semi-Volatile eactivity: orrosivity:	patibilities (if any);  rator's Knowledge s of the hazardons ve:	<b>Documentation</b>	isted below, W.A.S N	OT PERFORM	ŒD based	upon the following
lease list all incomplete with the complete with	paribilities (if any);  rator's Knowledge s of the hazardous ve:   x x x x x	<u>Documentation</u> waste characteristics, l	isted below, WAS N	OT PERFORM	ŒD based	upon the following
lease list all incomposition of the list all incomposition and list all incompositions. CLP Metals: CLP Volatile eactivity: corrosivity: cnitability:  ECTION 9: General control of the list and list all incompositions.	patibilities (if any):  rator's Knowledge  of the bazardous v  e:  x x x x x rator's Certificatio	Documentation  waste characteristics, l				
ease list all incomposed by the composition of the	rator's Knowledge  of the hazardous ve:  \[ \frac{x}{x} \]  es: \[ \frac{x}{x} \]  \[ \frac{x}{x} \]  rator's Certification  tained herein is base is complete and accomplete acc	Documentation  waste characteristics, lead on generator knowceurate to the best of the contract  wledge and/or [] ar ny knowledge and a	alytical data. I h	nereby cent	ify that the above ar	
ease list all incomposes to the composition of composition of compositions of compositions of compositions of composition of compositions of composition of	rator's Knowledge  of the hazardous vee:  x x x x x x x x x x x x x x x x x x	Documentation  waste characteristics, lead on generator know curate to the best of a st and that all known of	wledge and/or [] ar ny knowledge and a or suspected hazards	alytical data. I h	nereby cent	ify that the above ar
ease list all incomposes to the composition of composition of compositions of compositions of compositions of composition of compositions of composition of	rator's Knowledge  of the hazardous vee:  x x x x x x x x x x x x x x x x x x	Documentation  waste characteristics, lead on generator knowceurate to the best of the contract  wledge and/or [] ar ny knowledge and a or suspected hazards	alytical data. I h	nereby cent	ify that the above ar	
ease list all incomposed by the composed by th	rator's Knowledge  of the hazardous ve:  x x x x x x x x x x x x x x x x x x	Documentation  waste characteristics, lead on generator know curate to the best of a st and that all known of	wledge and/or [] ar ny knowledge and a or suspected hazards	alytical data. I h	nereby cent	ify that the above ar
ease list all incomposed incompos	rator's Knowledge  of the hazardous vee:   x x x x x x x x x x x x x x x x x	Documentation  waste characteristics, lead on generator know curate to the best of a st and that all known of	wledge and/or [] ar ny knowledge and a or suspected hazards	alytical data. I h bility to determi have been disclo	nereby cent	ify that the above ar
ease list all incomposed aboratory analysis enerator knowledge CLP Metals; CLP Volatiles; CLP Semi-Volatile eactivity; enitability; ECTION 9: Generated description missions of composed are representate uthorized Signaturinted Name/Title:	rator's Knowledge  of the hazardous vee:   x x x x x x x x x x x x x x x x x	Documentation  waste characteristics, lead on generator know courate to the best of a st and that all known of despribed by this document of the best of the best of the st and that all known of the best of the	wledge and/or and any knowledge and a suspected hazards tent.	alytical data. I h bility to determi have been disclo	nereby cent	ify that the above ar
ease list all incomposed by the composed by th	rator's Knowledge  of the hazardous vee:   x x x x x x x x x x x x x x x x x	Documentation  waste characteristics, lead on generator know courate to the best of a st and that all known of despribed by this document of the best of the best of the st and that all known of the best of the	wledge and/or and any knowledge and a suspected hazards tent.	alytical data. I h bility to determi have been disclo	nereby cent	ify that the above ar

	SECTION 10: Waste Receipt Classification Under 40 CFR 437
	Is this material a wastewater or wastewater sludge?   YES   NO
	If 'Yes', complete this section.
	PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
<u>M</u>	letals Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
<u>o</u>	ils Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>O</u> 1	rganics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

(1)	If the	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excessivalues listed below, the waste should be classified in the metals subcategory.
	Chron Coppe	um: 0.2 mg/L nium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, of above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



1.	Base Pricing (including freight):
	# U5/drum + trans + fs
2.	Contamination Limits (maximum limit before surcharges apply):
	No free liquid
3.	Surcharge Pricing:
į	
4.	Special Testing Requirements:
l	
5.	Treatment and Handling Protocol:
	Class I Solido Box
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



7.	Tests for Product Recovered/Recycled (if applicable):
8.	Management for Product Recovered/Recycled (if applicable);
i	



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# Waste Pre-Acceptance/Approval Letter

Date 9/4/2008

Dear Steve Moerbe

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2977

Expiration Date 9/4/2010

**Generator:** Forged Products

Address: 6505 North Houston Rosslyn Road

Houston, TX 77091

Waste Information

Name of Waste: used oil filters TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Color: dark

Odor: hydrocarbon

**pH**: 6-9

**Physical State:** 

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.





4904 Griggs Road, Houston, TX 77021
Phone: (713) 676-1460 Fax: (713) 676-1676
<a href="http://www.cesenvironmental.com">http://www.cesenvironmental.com</a>

TCEQ Industrial Solid Waste Permit Number: 30948
U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1:	Genera	itor Ir	<u>nformati</u>	<u>on</u>										
Company:	Forge	Proc	lucts											
Address:	6505 N	lorth	Houston	Rosslyn R	oad									
City:	Housto	on				State:	TX		Zip:			770	91	
Contact:	Steve I	Moerl	be				Title:							
Phone Num	ber:		(832) 5	90-7932			Fax Nur	nber:						
24/hr Phon	e Numb	er:					_						<u></u>	
US EPA ID N	lo:													
State ID No	:					3027	O SIC Cod	e:						
				_										
SECTION 2:	Billing	<u>Inforr</u>	mation -	<u> </u>	ame as	<u>Above</u>								
Company:					,,									
Address:								_						
City:						_State:			_Zip:					
Contact:							_Title:							
Phone Num	ber:						_Fax Nur	nber:						
CECTION 2	Conora	l Dac	ovintion.	of the Ma	***									
SECTION 3:	Genera	Des	cription	or the wa:	<u>ste</u>									
Name of Wa	acto.		Used O	il Filters										
Detailed De		n of E			Waste.		used oil	filtors	from mad	hinary	and truc	-kc	_	
Detailed De	scriptio	11 O1 F	100033	ieneraung	waste.		useu on	inters	TIOTH HIAC	Jinier y	and truc		_	
				<del></del>									_	
Physical Sta	te:		Liquid			Sludge		П	Powder					
•		<b>▽</b>	Solid		ī	Filter Cak	e	Ħ	Combina	tion				
					_			_						
Color:	dark					_	Odor:		hydrocar	bon				
						_								
Specific Gra	vity (wa	iter=1	L):	na			_		Density:	na	lk	os/gal		
							_		_	_				
Does this m	aterial o	onta	in any to	tal pheno	ic comp	ounds?		Yes	_	∐ No				
			_											
Does this m	aterial d	onta	in any pa	ara substit	uted ph	enolic com	pounds?			Yes	V	ю		
1 ah - 141			<b>.</b>		<b></b> .	MECHAD	3 /40 CED	n c	a C	· F=\			_	1
Is the Waste	-				•		-			•	ا د د د اا د ک	∐ Yes	~	] No
Answer "Yes	-						•		•			_	22	202
2812		2813		2816	2819			2822			2824	28		2834
2835 2873		2836 2874		2841 2876	2842			2844			2861	28 28		2869
3312		4953		4959			L	2092	203	3	2896	28	99	291:
3312		4900		4959	9511	•								
Layers:	<b>√</b>	Sing	le-phase		Mult	i-phase								
Container Ty	ype:	V	Drum	☐ Tot	e [	Truck [	Other (e	xplair	1)					
Frequency:			☑ Mo	nthly 🗌	Yearly	One-1	ime							

		ous Waste" per Il out the UHC		3?	☐ Ye	s 💽	No No		
If "Yes", Is it: D001 (Ignitable) D002 (Corrosive) D003 (Reactive)  Characteristic for Toxic Metals: D004 D005 D006 D007 D008 D009  D010 D011  Characteristic for Toxic Organics: D012 thru D043 (please list all that apply)									
Cnaracteris	CIC TOF TOXIC C	)rganics: DU12	thru 1043 ()	olease iist	ali that appiy)				-
Is this an "F" or "K" Listed waste or mixed with one?  If "Yes", then please list ALL applicable codes:									-
40 CFR 261.	33(e) or (f)?	duct or spill cle	Y		y a "U" or "P" w ☑ No	aste code u	nder	A	
Texas State	Waste Code	Number:		Recycle			_		
Proper US D	OT Shipping	Name:	Non-RCRA,	Non-DOT	regulated mate	rial			
Class:	na	UN/NA:	na	PG:	na	RQ:	na		•
Flash	Point	pl	1	Reac	tive Sulfides	Reactiv	e Cyanides	Sol	ids
>2	200	6-9	9	0	mg/l	na	mg/l	100	%
Oil &	Grease	TO	c		Zinc	Copper		Nic	kel
>1500	mg/l	na	<u>mg/l</u>	na	mg/l	na	mg/l	na	mg/l
SECTION 4:	Physical and	Chemical Data							
	COM	PONENTS TAE	3LE			CONCEN	TRATOIN		UNITS
	The country and the of the fellowing materials					D			0/

COMPONENTS TABLE	CONCENTRATOIN	UNITS
The waste consists of the following materials	Ranges are acceptable	or %
oil filters	95-100	%
oil	0-5	%

SECTION 5: Safety Rela	ted Data				
If the handling of this w	aste requires the u	se of special pro	tective equipment,	please explain.	
standard PPE					
			12.2.1		
SECTION 6: Attached S	upporting Docume	ents			
List all documents, note			this form as part of	the waste	
approval package.	none	iysis actaerica to	tins form as part of	tile waste	
approvar package.	none				
	<del></del>	<del>-</del>			
SECTION 7: Incompati	ilities				
Please list ALL incompa					
oxidizers	iomeics (ii diry).				
OXIGIZETS					
			<del></del>		-
SECTION 8: Generator	s Knowledge Docu	mentation			
Laboratory analysis of t			listed below. WAS	NOT PERFORMED	
based upon the following			, notice below, torio		
based apoli the follows	g generator known	cugc.			
TCLP Metals:	x				
TCLP Volatiles:	x			, <u></u>	
TCLP Semi-Volatiles:	x				
Reactivity:	X				
Corrosivity:	x				
Ignitability:			<del></del>		
igintability.	x	<del></del>			
SECTION 9: Generator	s Certification				
The information contain		on 🗸 🕫	nerator knowledge a	and/or 🔲 analytic	al data
I hereby certify that the		_			ai data.
my knowledge and abil					
· ·	-				
properties exist and the	· ·				
materials tested are rep	resentative or all m	iateriais describ	ed by this document		
Authorized Signature:				Date:	9/4/2008
Authorized Signature.					37 172000
Printed Name/Title:	no signature nee	ded (Steve Moe	rhe)		
Trinced Name, Thie.	no signature nee	ded (Steve Moe			
CES USE ONLY (DO NOT	WRITE IN THIS SPA	CE)	<u>~</u>	1	
CLS CSE CHEL (BO NOT	7 17 17 17 17 17 17 17 17 17 17 17 17 17		,		
Compliance Officer:	9.11	Thank			
	morning.	an way and	Deiceted	1	
Date: <b>9_U-08</b>	- 12 AF	phioven	Rejected		
Approval Number:	7.4" [ ]			I	

#### SECTION 10: Waste Receipt Classification Under 40 CFR 437

Is this material a wastewater or wastewater sludge? If 'Yes', complete this section.

YES	r Ind

#### PLEASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.

Metals Subcat	egory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
, 🔲	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oils Subcatego	ory : Subpart B
	Jsed oils
	Oil-water emulsions or mixtures
<u> </u>	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Jsed petroleum products
=	Oil spill clean-up
=	Bilge water
	Rinse/wash waters from petroleum sources
	nterceptor wastes
	Off-specification fuels
_	Underground storage remediation waste
	Tank clean-out from petroleum or oily sources
=	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
<u> </u>	Nastewater from oil bearing paint washes
	a <u>tegory</u> : Subpart C
=	andfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
==	Solvent-bearing wastes
=	Off-specification organic product
=	Still bottoms
	Byproduct waste glycol
	Nastewater from paint washes
	Nastewater from adhesives and/or epoxies formulation
=	Nastewater from organic chemical product operations
□ 7	Fank clean-out from organic, non-petroleum sources

(1)	
	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.

(2)

If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory.

Cadmium: 0.2 mg/L Chromium: 8.9 mg/L Copper: 4.9 mg/L Nickel: 37.5 mg/L

(3)

If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.

Metals Subcategory

Subcategory

Organics Subcategory

#### **SECTION 11: Additional Instructions**

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.

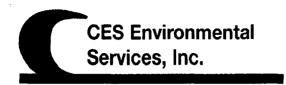


1. Base Pricing (including freight):				
\$35/dm				
•				
		•		
2. Contamination Limit (maximum lin	nit before surchages appl	y):		
	· •••			
3. Surcharge Pricing:				
				<u> </u>
	Sign (Alberta et la responsa de la responsa de la responsa de la responsa de la responsa de la responsa de la r	and the second	and the second second	and the second
***			· · · · · · · · · · · · · · · · · · ·	
4. Special Testing Requirements:				
		÷ •		
	•			
5. Treatment and Handling Protocol:		· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·
Reycle oil.	filters			
6 Treated Wastowater Discharge Sub	acatogory:			
6. Treated Wastewater Discharge Sub	nategory:			
Subcategory A ☐ Sub	ocategory B Subca	tegory C		



. Tests for Produ	ct Recovered/Re	seyerea (ir app.			<del></del>
				· · · · · · · · · · · · · · · · · · ·	
. Management fo	or Product Recov	vered/Recycle	d (if applicable)		
. Management fo	or Product Recov	vered/Recycle	d (if applicable)		
. Management fo	or Product Recov	vered/Recycle			
. Management fo	or Product Recov	vered/Recycle			

2978 Zaeh System Corp



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

**pH**: 6-13

# Waste Pre-Acceptance/Approval Letter

Date 9/5/2008

Dear Ronald Smith

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2978

Expiration Date 9/4/2010

Generator: ZaCh System Corp. (La Porte)

Address: 914 South 16th Street

La Porte, TX 77571

Waste Information

Name of Waste: Hazardou NMP Step 5 First and Second Repulbping

Odor: slight

TCEQ Waste Code #: 0106110H

**Container Type:** 

Detailed Description of Process Generating Waste:

Rinsewater from pharmaceutical manufacturing process

Color: amber Physical State:

Incompatibilities: see msds

Safety Related Data/Special Handling:

std ppe for flammable and corrosives

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1:	Generator	<u>Informati</u>	<u>on</u>											
Company:	Zach Syste	ms Corp.		n <del>-</del>										
Address:	914 S. 16th	Street												
City:	LaPorte			S	itate:	TX		Zip:						77571
Contact:	Ron Smith					Title:		EH&S Ma	nager					
Phone Num	ber:			28	18420201	Fax Numb	er:			_				
24/hr Phon	e Number:			28	18420201									
US EPA ID N	lo:	TXR000	079062											
State ID No	:				88429	SIC Code:		NA						
SECTION 2:	Billing Info	rmation -	<b>V</b>	Same as Ab	ove									
Company:														
Address:														
City:				S	tate:			_Zip:						
Contact:						Title:								
Phone Num	ber:					Fax Numb	er:							
SECTION 3:	General De	scription	of the W	/aste										
Name of Wa	acto:	Hazardo	vie NAAD	Step 5 First	and Secon	ıd Panulnir	nσ							
	aste. scription of			<u>'</u>	and Secon	id Kepuipii	ig_						-	
Dinaguator	farm nharm	accutical .	manufac	aturing proce										
Kinsewater	torm pharm	aceutical	nanurac	turing proce	55				_					
Physical Sta	te: 🗸	Liquid Solid			ludge ilter Cake			Powder Combina	tion					
Color:	Amber					Odor:		Slight						
Specific Gra	vity (water=	:1):	-		0.9			Density:		7.5 l	bs/gal			
Does this m	aterial cont	ain anv to	tal pher	nolic compou	ınds?		Yes	[~	] No					
									•					
Does this m	aterial cont	ain any pa	ra subs	tituted phen	olic comp	ounds?			Yes	∠ N	10			
				te operation						fallani	_	Yes .	<b>✓</b>	No
	-			ene <b>AND</b> if th				-			11 <b>5</b> .	2022		2024
2812			2816	2819	2821		822	282		2824		2833		2834
2835			2841	2842	2843		844			2861		2865		2869
2873			2876	2879	2891	2	892	289	5	2896		2899		2911
3312	495	3	4959	9511										
Layers:	✓ Sin	gle-phase	- 1	☐ Multi-p	hase									
Container T	уре: 🗌	Drum	□ т	ote 🔽 T	ruck 🔲	Other (exp	olain	n)						
Frequency	✓ Weekh	, 🗌 Mai	nthly 「	Yearly [	One-Tir	ne								
Quantity:				5500										

	s this a USEPA "Hazardous Waste" per 40CFR 261.3?									
If "Yes". I	s it: 「✓	D001 (Ignitab	e)	D002 (Cori	rosive)	D003 (Read	ctive)			
	Characteristic for Toxic Metals:         □ D004 □ D005 □ D006 □ D007 □ D008 □ D009           □ D010 □ D011									
Characteris	tic for Toxic C	organics: D012	thru D043 (p	olease list al	ll that apply)					
	Is this an "F" or "K" Listed waste or mixed with one?									
40 CFR 261.	33(e) or (f)?	luct or spill cle	Y	<u> </u>	a " <b>U" or "P" wa</b> ] No 	ste code un	der			
Texas State	Waste Code	Number:		0106110H			<u>.</u>			
Proper US D	OT Shipping	Name:	Waste flam	mable liquio	ds, corrosive, n.	o.s. (sodium	ı hydroxide,	toluene),		
Class:	3	UN/NA:	UN2924	PG:	11	RQ:	1000			
Flash	Point	pŀ		Reacti	ve Sulfides	Reactive	Cyanides	Soli	ds	
<:	40	6-1	3	<20	mg/l	<20	mg/l	0-2	%	
Oil &	Grease	то	С		Zinc	Cop	per	Nicl	kel	
NA	mg/i	NA	mg/l	NA	mg/l	NA	mg/l	NA	mg/l	

**SECTION 4:** Physical and Chemical Data

COMPONENTS TABLE	CONCENTRATOIN	UNITS	
The waste consists of the following materials	Ranges are acceptable	or %	
Water	60-80	%	
DMSO	10-25	%	
Methanol	10-15	%	
Sodium Hydroxide	2-5	%	
Magnesium Iodide	1-5	%	
Magnesium Chloride	0-0.5	%	
HCI	0-0.5	%	
Sodium Chloride	0-0.5	%	
Sodium lodide	0-0.5	%	

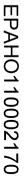
	Safety Relat					
If the handi	ing of this wa	ste requires the us	e of special protect	ve equipment, please o	explain.	
Standard PF	PE (for flamma	able and corrosive	materials)			
				· · · · · ·		
SECTION 6	Attached Su	nnorting Documer	.+-			
		pporting Documer		form as part of the way	***	
			sis attached to this	form as part of the was	ote	
approval pa	ckage.	MSDS				
					=	
SECTION 7:	Incompatibil	lities				
Please list A	LL incompatib	bilities (if any):				
None	•	, ,,				
			<del></del>			
	<u> </u>			· ·		
SECTION 8:	Generator's	Knowledge Docum	entation			
				d below, WAS NOT PE	RFORMED	
-		generator knowle				
zasca apon		, generator knowle	~6~.			
TCLP Metals	<b>::</b>	X				
TCLP Volatile	es:	X			· · · · · · · · · · · · · · · · · · ·	
TCLP Semi-V	olatiles:	X		-	V 7 h 1	
Reactivity:		X			· · · · · · · · · · · · · · · · · · ·	
Corrosivity:		X				
Ignitability:		X	·		<del></del>	
iginicability.		<u>~</u>	<u> </u>			
SECTION 9: \	Naste Receipt	Classification Under	40 CFR 437 (Prtainin	g to Pre-Treatment Requ	irements for Centraliz	ed Waste Treatment
Facilities)						
	Is this materia	al a wastewater or w	astewater sludge?		✓ YES	
	If 'Yes', co	omplete this section.				
	PLEASE CHECK	K THE APPROPRIATE	BOX. IF NO APPROP	RIATE CATEGORY, GO TO	THE NEXT PAGE.	
				,		
	tegory: Subp		-luda-a			
H		plating baths and/or ng rinse water and slu				
H	Chromate was	-	luges			
		control blow down w	ater and sludges			
	Spent anodizi		-			
	Incineration w	vastewaters				
	Waste liquid r	· ·				
		aining wastes greate				
=		nd bases with or wit		m electroplating or phos	hating enerations	
		ing, and surface prep turring wastewater	iaration solutions no	in electroplating or phosp	mating operations	
=	•	~	clean metal parts or	equipment		
Oils Subcated	<u>ory: Subpart</u> Used oils	В				
H		ulsions or mixtures				
=	Lubricants	HOIOIIS OF HIIATUICS				
=	Coolants					
			up from petroleum s	ources		
	Used petroleu	-				
	Oil spill clean-	up				
	Bilge water	aters from netroleur	a courage			

. [	Interceptor wastes		
<u></u>	Off-specification fuels		
Ļ	Underground storage remediation waste		
<u> </u>	Tank clean-out from petroleum or oily sources		
<u></u>	Non-contact used glycols		
<u> </u>	Aqueous and oil mixtures from parts cleaning operations  Wastewater from oil bearing paint washes		
l			
Organics Sur	<u>bcategory</u> : Subpart C		
	Landfill leachate		
	Contaminated groundwater clean-up from non-petroleum sources		
	Solvent-bearing wastes		
Ļ	Off-specification organic product		
<u></u>	Still bottoms		
<u> </u>	Byproduct waste glycol		
<u> </u>	Wastewater from paint washes  Wastewater from adhesives and/or analysis formulation		
<u> </u>	Wastewater from adhesives and/or epoxies formulation  Wastewater from organic chemical product operations		
<u> </u>	Tank clean-out from organic, non-petroleum sources		
<u> </u>	Trank clean out from organic, non-petroleum sources		
(1)			
. ,	If the waste contains oil and grease at or in excess of 100 mg/L, the waste	should be classified in the oils subc	ategory.
	•		σ,
(2)			
	If the waste contains oil and grease less than 100 mg/L, and has any of th		rations in
	excess of the values listed below, the waste should be classified in the me	etals subcategory.	
	Cadmium: 0.2 mg/L		
	Chromium: 8.9 mg/L		
	Copper: 4.9 mg/L		
	Nickel: 37.5 mg/L		
(3)	If the waste contains oil and grease less than 100 mg/L, and does not hav or nickel above any of the values listed above, the waste should be classif		nium, copper,
SECTION 10	Additional Instructions		
16	. d. A		
Copper, Nick	determine the correct subcategory in Section 9 and you did not furnish datel, and Oil and Grease, CES will send offsite to a commercial laboratory as a comm	ample to determine these concentra	
SECTION 11	: Generator's Certification		
		d/or Donalytical data	
	_ 5		
	tify that the above and attached description is complete and accurat		
	lge and ability to determine that no deliberate or willful omissions of	•	
	exist and that all known or suspected hazards have been disclosed. I c	certify that the	
materials te	sted are representative of all materials described by this document.		
	$\sim$ $\sim$ $\sim$ $\sim$		
Authorized	Signature:	Date:	8/12/2008
	,		
Printed Nan	ne/Title: Ron Smith, HS&E Manager		
CES USE ON	LY (DO NOT WRITE IN THIS SPACE)		
	1. 20		
Compliance	Officer: (Labbutthanged		
Date:	9-4-08		
Approval Nu	mber: 7978		



### LDR Notifications/Certifications

1. Generator Information					2. Receiving Facility Information					
		Zach Systems C	orp.			Name:	CES Environmental Services, In	C.		
		914 S. 16th Stre				Address:	4904 Griggs Road			
		LaPorte, TX 775					Houston, TX 77021		.,	
		TXR000079062				EPA ID No.:	TXD008950461			
	Manifest No.:	,					······································	<del></del>		
3	Waste Description at F	Point of Genera	tion							
	Dood Pelon de l									
Line	Waste Descri	ntion	Hazardous Waste Codes	I DB Subsets	<u>,,  </u>	ww / nww	Underhing Hazardaya	Constituents in	so 2/i)]	
Item		·	D001, D002	LDR Subcatego	or y	WW	Underlying Hazardous	constituents (2	08.2(1)]	
	Haz NMP Step 5 (1st &	zna kep.)	0001, 0002			VVVV		,		
2 3										
4										
5										
									· · · · · · · · · · · · · · · · · · ·	
4.	Waste Disposition									
Line	Subtitle C Exclusion	on Subsequent	to Point of Generation (if				268.45, Table 1 Technology	used to treat		
Item		applicabl	e)	Current Dis	sposi	tion of Waste	debris (if applicat	ole)	Date Shipped	
1										
2								<del>-</del>		
3										
4										
5										
			of generation but subsequently					rom		
			terstic wastes managed in waste		it sys	tems discharging u	inder the CWA)?			
	☐ Yes ☑ No	(If yes, this cons	stituents the 268.7(a)(7) one-tin	ne notification.)						
6.	6. Waste the waste characterstic at the point of generation, treated onsite to remove the characterstic, and treatment residues then shipped to a									
	Subtitle D land disposal facility?  Yes V No (if yes, complete Certification 1 or 2.)									
	7. Was the waste "debris" that was hazardous at the point of generation but subsequently became excluded from the definition of hazardous waste									
	under 261.3(f)(1) by treating it using an extraction or destruction technology in 268.45, Table 1?  Yes  No (if yes, complete Certification 3.)									
	8. Was the waste "debris" that was hazardous at the point of generation but subsequently became excluded from the definition of hazardous waste									
			onger-contains" determinatin fro			rized state?				
	Yes Vo (if yes, this constituents the 268.7(d)(1) one-time notification.)									
9.	Is the waste residue fro	om treating K06	1, K062 and/or F006 wastes in h	nigh-temperatur	e me	tals recovery (HTM	IR) units that 1) meets the gene	eric		
	exclusion levels in 261.	3(c)(2)(ii)(C), 2)	does not exhibit any characters	tics, and 3) is sh	ippe	d to a Subtitle D lar	nd disposal facility?			
	Yes V No	(if yes, compl	ete Certification 4.)				· · · · · · · · · · · · · · · · · · ·			
10.	Waste that has	been treated to	remove a characterstic and me	ets underlying h	azar	dous constituents	standards.	Applies to item	s:	
	_		aw that the waste has been trea					1		
	•		he hazardous characterstics and			· ·		Reference:		
			ed on-site to meet the 268.48 U					268.7(b)(4)(v) a	nd 268 9(d)	
	• •		r submitting a false certification					200.7(2)(1)(1)	200/5(0,	
						· · · · · · · · · · · · · · · · · · ·		I Analias ta 12		
11.		peen treated to	remove a characterstic but doe	s not meet und	erlyir	ig nazardous const	ituents	Applies to item	s:	
	standards.									
			w that the waste has been trea					Reference:		
			remove the hazardous charact					268.7(b)(4)(v) a	nd 268.9(d)	
	, ,		tituents that require further tre							
	significant p	penalties for sub	omitting a false certification, inc	luding the possi	Dility	or fine and imprise	onment.	<u> </u>		
12.	Debris that has	been treated to	meet the alternative treatment	standards.				Applies to item	s:	
	_		w that the debris has been trea		ce wi	th the requiremen	ts of			
	•		that there are significant penal			•		Reference:		
		ity of fine and i	•		J		Ç	268.7(b)(4)(v) a	nd 268.9(d)	
								7		
13.		_	61, K062 and/or F006 wastes.					Applies to item	s.	
	I certify under penalty of law that the generic exclusion levels for all constituents have been met without									
			that no characterstic of hazardo					Reference:	1000.07.11	
	significant p	penalties for sub	omitting a false certification, inc	luding the possi	bility	of fine and imprise	onment.	268.7(b)(4)(v) a	nd 268.9(d)	
			$\mathcal{I} \cap \mathcal{A}$							
	<b>Authorized Signat</b>	ure:	Kan Smith				Date:			
	Printed Name / Ti	•	Row Smith		•					





#### **UNDERLYING HAZARDOUS CONSTITUENTS (UHC)**

Generator	Zach System:	s Corp.					EPA ID Number	TXR000079062			
Mailing Address	914 S. 16th S	treet				-	Manifest Number				
City, State, Zip	LaPorte, TX 7	7571				-	CES Profile Number				
	<del></del>					-					
EPA Waste Codes	D001	D002	1						_	T	7
											1
	-1-1-5										
if your waste, at the po	oint of generation	i, exceeds the l	imits of the follo	wing constitue	its, then please repr	esent	this fact to CES Environme	ntal Services, Inc. by	checking the ap	plicable box list	ed below.
- 43						_					
Does this waste contai							YES NO				
If "Yes", check a	applicable constit	uents and then	sign and date th	e form. If "No	', then sign and date	the fo	orm.				
				Wastewater	Non-Wastewater	7				Nava a a susa a	I Non Mostowski
Description			CAS No. [1]	mg/i [2]	mg/kg	1	Description		CAS No. [1]	Wastewater mg/l [2]	Non-Wastewate mg/kg
Descripcion			[CA3 NO. [1]	1115/1[2]	mg/kg	J	Description		[CA3 NO. [1]	]	mg/kg_
I. Organic Constituent	···		7			/	<b>!</b>				
2-Acetylaminofluorene			53-96-3	0.059	1140		bis(2-Ethylhexyl) phthala	to	117-81-7	0.28	120
4-Aminobiphenyl			92-67-1		NA NA	┧占			111-91-1	0.23	
o-Anisidine (2-methox	vaniline)		90-04-0		0.66	1 7	bis-(2-Chloroethyl)ether	Turic	111-44-4	0.033	
Acenaphthene			83-32-9	0.059		┨┌	Bromodichloromethane		75-27-4	0.35	
Acenaphthylene	· · ·		208-96-8	0.059		ᅥᆸ	Bromoform (Tribromome	ethane)	75-25-2	0.63	
Acetone			67-64-1		160	1 🗆	Bromomethane/Methyl I		74-83-9	0.11	
Acetonitrile			75-05-8		38	1 🗆	Butyl benzyl phthalate		85-68-7	0.017	
Acetophenone			96-86-2	0.01	9.7	1 🗆	Butylate [6]		2008-41-5	0.042	
Acrolein		· · · · · · · · · · · · · · · · · · ·	107-02-8	0.29	NA	7 🗆	2-chloro-1,3-butadiene		126-99-8	0.057	0.28
Acrylamide			79-06-1	19	23	] 🗆	2-Chloroethyl vinyl ether		110-75-8	0.062	NA
Acrylonitrile			107-13-1	0.24	84		2-Chloronaphthalene		91-58-7	0.055	5.6
Aldicarb sulfone [6]			1646-88-4	0.056	0.28				95-57-8	0.044	5.7
Aldrin			309-00-2		0.066		3-Chloropropylene		107-05-1	0.036	30
alpha-BHC			319-84-6	0.00014	0.066		Carbaryl [6]		63-25-2	0.006	0.14
Aniline			62-53-3	0.81	<del></del>		Carbenzadim [6]		10605-21-7	0.056	
Anthracene			120-12-7	0.059			Carbofuran [6]		1563-66-2		0.14
Aramite			140-57-8		NA	] [	Carbofuran phenol [6]		1563-38-8	0.056	
2-sec-Butyl-4,6-dinitro	·	<u> </u>	88-85-7	0.066		]	Carbon disulfide		75-15-0		4.8mg/l
4-Bromophenyl pheny	l ether		101-55-3	0.055		-1 ¦-	Carbon tetrachloride		56-23-5	0.057	
Barban [6]			101-27-9	0.056		┦∺	Carbosulfan [6]		55285-14-8	0.028	
Bendiocarb [6]			22781-23-3	0.056			Chlordane (alpha and gai	mma isomers)	57-74-9	0.0033	
Benomyl [6]			17804-35-2	0.056			Chlorobenzene		108-90-7	0.057	<del></del>
Benz(a)anthracene			56-55-3	0.059		┨	Chlorobenzilate		510-15-6		. NA
Benzal chloride			98-87-3	0.055		-1 H	Chlorodibromomethane Chloroethane		124-48-1 75-00-3	0.057	
Benzene			71-43-2			┦∺	Chloroform	·		<del></del>	
Benzo(a)pyrene Benzo(b)fluoranthene	<del></del> -		50-32-8 205-99-2	0.063	6.8	┧片		chlorido)	67-66-3 74-87-3	0.046	
				<del></del>		┨╏		cinoriue)	218-01-9		
Benzo(g,h,i)perylene Benzo(k)fluoranthene			191-24-2 207-08-9	0.0055	6.8	┨			108-39-4	0.059	5.6
beta-BHC			319-85-7	0.00014		┧╵	(difficult to distingui	sh from n-crescil	100-39-4	0.77	3.0
bis/2 Chloroisopropyl)	ether		319-85-7	0.00012		┨┌┐	m-Cumenyl methylcarba		64-00 6	0.056	111

1	I. Organic Constituents (continued)	1			<b>V</b>				
	cis-1,3-Dichloropropylene	10061-01-5	0.036	18	٦ 🔭	Fluorene	86-73-7	0.059	3 4
	Cyclohexanone	108-94-1		0.75 mg/l TCLP	1	Formetanate hydrochloride [6]	23422-53-9	0.056	
_	1.1-Dichloroethane	75-34-3	0.059		1	gamma-BHC	58-89-9	0.0017	
_ ,	1,1-Dichloroethylene	75-35-4	0.039		$\dashv$	Heptachlor	76-44-8	0.0017	
_	1,2-Dibromo-3-chloropropane	96-12-8	0.023		┨╢	Heptachlor epoxide	1024-57-3	0.012	
		107-06-2	0.11		┨╏	Hexachlorobenzene	118-74-1	0.015	
=	1,2-Dichloroethane trans-1,2-Dichloroethylene	156-60-5	0.054		┨╢	Hexachlorobutadiene	87-68-3	0.055	
			0.054		1 H	Hexachlorocyclopentadiene	77-47-4	0.055	
	1,2-Dichloropropane	78-87-5			┨		67-72-1	0.057	
	1,2-Diphenylhydrazine	122-66-7	0.087 0.036	10A	┨╢	Hexachloroethane		0.035	
	trans-1,3-Dichloropropylene	10061-02-6			┧ ۲	Hexachloropropylene	1888-71-7		
	1,4-Dinitrobenzene	100-25-4	0.32		┨ ┨ ┨	HxCDDs (All Hexachlorodibenzo-p-dioxins)	N/A	0.000063	
	1,4-Dioxane	123-91-1		170	, –	HxCDFs (All Hexachlorodibenzofurans)	N/A	0.000063	
`	2,4-Dichlorophenol	120-83-2	0.044		그 무	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin	35822-46-9	0.000035	
	2,4-Dichlorophenoxyacetic acid/2,4-D	94-75-7	0.72		] 🛚	1,2,3,4,6,7,8-Heptachlorodibenzofuran	67562-39-4	0.000035	
	2,4-Dinitrophenol	51-28-5	0.12		] 🗆	1,2,3,4,7,8,9-Heptachlorodibenzofuran	55673-89-7	0.000035	
$\sqcup$	2,4-Dinitrotoluene	121-14-2	0.32		그 므	Ideno (1,2,3-c,d) pyrene	193-39-5	0.0055	
	2,6-Dichlorophenol	87-65-0	0.044	14	┙□	lodomethane	74-88-4	0.19	
	2,6-Dinitrotoluene	606-20-2	0.55		] 🛚	Isobutyl alcohol	78-83-1		170
	2-4-D (2,4-Dichlorophenoxyacetic acid)	94-75-7	0.72	10		Isodrin	465-73-6	0.021	
	2-4-Dimethyl phenol	105-67-9	0.036	14		Isosafrole	120-58-1	0.081	
	2,4-Dimethylaniline (2,4-xylidine)	95-68-1	0.010	0.66		Kepone	143-50-0	0.0011	
	4,6-Dinitro-o-cresol	534-52-1	0.28	160		3-Methylcholanthrene	56-49-5	0.0055	15
	delta-BHC	319-86-8	0.023	0.066	╗╗	4,4-Methylene bis (2-chloroaniline)	101-14-4	0.5	30
	di-n-butyl phthalate	84-74-2	0.057	28	$\neg \ \Box$	m-Dichlorobenzene	541-73-1	0.036	6
	Di-n-octyl phthalate	117-84-0	0.017	28	7 🗆	Methacrylonitrile	126-98-7	0.24	84
	Di-n-propylnitrosamine	621-64-7	0.4		┐□	Methanol	67-56-1	5.6	0.75 mg/I TCLP
	Dibenz(a,e)pyrene	192-65-4	0.061	NA	7 🗆	Methiocarb [6]	2032-65-7	0.056	1.4
	Dibenz(a,h)anthracene	53-70-3	0.055		╗	Methomyl [6]	16752-77-5	0.028	0.14
	Dibromomethane	74-95-3	0.11	15	╗	Methoxychlor	72-43-5	0.25	0.18
	Dichlorodifluoromethane	75-71-8	0.23		┑᠐	Methapyrilene	91-80-5	0.081	1.5
	Dieldrin	60-57-1	0.017		7 🗆	Methyl ethyl ketone	78-93-3	0.28	36
	Diethyl phthalate	84-66-2	0.2		7 🗆	Methyl isobutyl ketone	108-10-1	0.14	
$\sqcap$	Dimethyl phthalate	131-11-3	0.047		7 🗖	Methyl methacrylate	80-62-6	0.14	
	Diphenylamine	122-39-4	0.92		7 🗖	Methyl methansulfonate	66-27-3	0.018	
	Diphenylnitrosamine	86-30-6	0.92		7 🗖	Methyl parathion	298-00-0	0.014	
Ħ	Disulfoton	298-04-4	0.017		┨╗	Methylene chloride	75-09-2	0.089	
П	Dithiocarbamates (total) [6]	137-30-4	0.028		┨ 🗖	Metolcarb [6]	1129-41-5	0.056	
$\Box$	Endosulfan I	959-98-8		0.066	┨┇	Mexacarbate [6]	315-18-4	0.056	
H	Endosulfan II	33213-65-9	0.029		ㅓ ㅁ	Molinate [6]	2212-67-1	0.030	
	Endosulfan sulfate	1031-07-8	0.029		┨	2-Naphthylamine	91-59-8	0.52	
H	Endrin	72-20-8	0.0028		$\dashv \vdash$		99-55-8	0.32	
H	Endrin aldehyde	7421-93-4	0.025		┨╏	n-Butyl alcohol	71-36-3	5.6	
H		759-94-4			$\dashv$		<del></del>	0.4	
H	EPTC [6] Ethyl acetate		0.042		-	N-Nitroso-di-n-butylamine N-Nitrosodiethylamine	924-16-3 55-18-5	0.4	
H		141-78-6			-			0.4	
	Ethyl benzene	100-41-4	0.057		⊣	N-Nitrosodimethylamine	62-75-9	0.4	
	Ethyl cyanide/propanenitrile	107-12-0	0.24		-	N-Nitrosomethylethylamine	10595-95-6		
	Ethyl ether	60-29-7		160	-	N-Nitrosomorpholine	59-89-2		2.3
	Ethyl methacrylate	97-63-2		160	-{	N-Nitrosopiperidine	100-75-4	0.013	
	Ethyl Oxide	75-21-8	0.12		$\dashv$	N-Nitrosopyrrolidine	930-55-2	0.013	
	Ethylene dibromide (1,2-Dibromoethane)	106-93-4	0.028		-	Naphthalene	91-20-3	0.059	
	Famphur	52-85-7	0.017	<del></del>	-	Nitrobenzene	98-95-3	0.068	
	Fluoranthene	206-44-0	0.068	13.4		1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin	3268-87-9	0.000063	0.005

I. Organic Constituents (continued) 1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)	39001-02-0	0.000063	0.005
o,p-DDD	53-19-0	0.000	
p,p-DDE	3424-82-6	0.023	
p,p-DDT	789-02-6	0.0039	
	95-48-7	0.0039	
o-Cresol o-Dichlorobenzene	95-50-1	0.088	
	88-74-4	0.000	
o-Nitroaniline		0.028	
o-Nitrophenol	88-75-5	0.028	
Oxamyl [6]	23135-22-0	0.056	
1,3-Phenylenediamine	108-45-2		
o-Cresidine	120-71-8	0.010	
p,p-DDD	72-54-8	0.023	
p,p-DDE	72-55-9	0.031	
p,p-DDT	50-29-3	0.0039	
o-Chloro-m-cresol	59-50-7	0.018	
p-Chloroaniline	106-47-8	0.46	
o-Cresol	106-44-5	0.77	5.6
(difficult to distinguish from m-cresol)			
p-Dichlorobenzene	106-46-7	0.09	6
p-Dimethylaminoazobenzene	60-11-7	0.13	NA
p-Nitroaniline	100-01-6	0.028	28
p-Nitrophenol	100-02-7	0.12	29
Parathion	56-38-2	0.014	4.6
Pebulate [6]	1114-71-2	0.042	1.4
PeCDDs (All Pentachlorodibenzo-p-dioxins)	N/A	0.000063	0.001
PeCDFs (All Pentachlorodiebenzofurans)	N/A	0.000035	0.001
Pentachlorobenzene	608-93-5	0.055	
Pentachloroethane	76-01-7	0.055	6
Pentachloronitrobenzene	82-68-8	0.055	
Pentachlorophenol	87-86-5	0.089	
Phenacetin	62-44-2	0.081	
Phenanthrene	85-01-8	0.059	
Phenol	108-95-2	0.039	
Phorate	298-02-2	0.021	
Phthalic acid	100-21-0	0.055	
Phthalic anhydride	85-44-9	0.055	
Physostigmine [6]	57-47-6	0.056	
Physostigmine salicylate [6]	57-64-7	0.056	
Promecarb [6]	2631-37-0	0.056	
Pronamide			
	23950-58-5	0.093	
Propham [6]	122-42-9	0.056	
Propoxur [6]	114-26-1	0.056	
Prosulfocarb [6]	52888-80-9	0.042	
Pyrene	129-00-0	0.067	<del></del>
Pyridine	110-86-1	0.014	
Safrole	94-59-7	0.081	
Silvex (2,4,5-TP)	93-72-1	0.72	
1,1,1,2-Tetrachloroethane	630-20-6	0.057	· · · · · · · · · · · · · · · · · · ·
1,1,1-Trichloroethane	71-55-6	0.054	
1,1,2,2-Tetrachloroethane	79-34-5	0.057	
1,1,2-Trichloro-2,2,2-trifluoroethane	76-13-1	0.057	
1,1,2-Trichloroethane	79-00-5	0.054	· <b>l</b> 6

1,2,4,5-Tetrachlorobenzene	95-94-3	0.055	14
1,2,4-Trichlorobenzene	120-82-1	0.055	19
1,2,3-Trichloropropane	96-18-4	0.85	30
2,3,4,6-Tetrachlorophenol	58-90-2	0.03	7.4
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	93-76-5	0.72	7.9
2,4,5-Trichlorophenol	95-95-4	0.18	7.4
2,4,6-Trichlorophenol	88-06-2	0.035	7.4
TCDDs (All Tetrachlorodibenzo-p-dioxins)	N/A	0.000063	0.001
TCDFs (All Tetrachlorodibenzofurans)	N/A	0.000063	0.001
Tetrachloroethylene	127-18-4	0.056	6
Thiodicarb [6]	59669-26-0	0.019	1.4
Thiophanate-methyl [6]	23564-05-8	0.056	1.4
Toluene	108-88-3	0.08	10
Total PCBs	1336-36-3	0.1	10
(sum of all PCB isomers, or all Aroclors)			
Toxaphene	8001-35-2	0.0095	2.6
Triallate [6]	2303-17-8	0.042	1.4
Trichloroethylene	79-01-6	0.054	6
Trichloromonofluoromethane	75-69-4	0.02	30
Triethylamine [6]	101-44-8	0.081	1.5
tris-(2,3-Dibromopropyl) phosphate	126-72-7	0.11	0.1
Vernolate [6]	1929-77-7	0.042	1.4
Vinyl chloride	75-01-4	0.27	6
Xylenes-mixed isomers	1330-20-7	0.32	30
(sum of o-,m-,and p-xylene concentrations	s)		

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II. Inorganic Constituents			
Antimony	7440-36-0	1.9 *	1.15 mg/l TCLP
Arsenic	7440-38-2	1.4 *	5.0 mg/l TCLP
Barium	7440-39-3	1.2 *	21.0 mg/l TCLP
Beryllium	7440-41-7	0.82 *	1.22 mg/l TCLP
Cadmium	7440-43-9	0.69 *	0.11 mg/l TCLP
Chromium (Total)	7440-47-3	2.77 *	0.60 mg/l TCLP
Cyanides (Amenable) [4]	57-12-5	0.86	30
Cyanides (Total) [4]	57-12-5	1.2	590
Fluoride [5]	16984-48-8	35	NA
Lead	7439-92-1	0.69 *	0.75 mg/I TCLP
Mercury - All others	7439-97-6	0.15 *	0.025 mg/l TCLP
Mercury - Retort nonwastewater	7439-97-6	NA *	0.20 mg/I TCLP
Nickel	7440-02-0	3.98 *	11.0 mg/l TCLP
Selenium	7782-49-2	0.82 *	5.7 mg/l TCLP
Silver	7440-22-4	0.43 *	0.14 mg/l TCLP
Sulfide	18496-25-8		NA
Thallium	7440-28-0	1.4 *	0.2 mg/l TCLP
Vanadium [4]	7440-62-2	4.3 *	1.6 mg/l TCLP
Zinc [5]	7440-66-6	2.61 *	4.3 mg/I TCLP

I certify that the a	bove is true a	and correct to the	hest of my	knowledge

Authorized Signature

EHS MANAGER

Title

8/22/08

Date



### PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
.401/gal, 500-freight + F5C
2. Contamination Limit (maximum limit before surchages apply):
must conform to profile
3. Surcharge Pricing:
4. Special Testing Requirements:
4. Special Testing Requirements:  Week flush, pH, toc, density [adjust PH with sufficient]  Phenols
5. Treatment and Handling Protocol:
la Process to System 1 difter step 4
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☑ Subcategory C



### PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

Tests for Product Recovered/Recycled (if applicable):							
	•						
8. Management for Product Recovered/Recycled (if applicable)							



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

### **Material / Product Approval Letter**

Date 9/9/2008

Dear Ed Cox

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

**CES Profile #** 

Expiration Date 9/9/2010

**Producer:** Afton Chemical Corporation

Address:

Suget, IL 62201

Material / Product Information

Name of Material / Product Afton viscosity modifier w/flush oil

**Container Type:** 

Detailed Description of Process Generating or Producing the Material / Product:

Afton viscosity modifier w/flush oil

Odor: varies

**pH:** 3-11

Color: varies **Physical State:** 

Incompatibilities: strong oxidizers Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.



# CES Environmental Services, Inc.

4904 Griggs Road

Houston, TX 77021

JB

Phone: (713) 676-1460

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Mate	rial Producer Infori	<u>nation</u>		
Company:	Afton Chemical C	orportation		
Address:	501 Monsanto Av	enue		
City, State, Zip:	Suget, Il 66201			
Contact:	Ed Cox		Title:	
Phone No:	(618) 583-1078		Fax No:	(618) 583-1388
24/hr Phone:	(618) 583-1078		<u>-</u>	
U.S. EPA I.D. No:	<u>na</u>			
State I.D.	na 		SIC Code:	na
SECTION 2: Billin	g Information – 🛛	Same as Above		
Company:				<del>_</del>
Address:				
City, State, Zip:	<del></del>			
Contact:		Title:		<del>-</del>
Phone No:		Fax No		
SECTION 3: Gener	ral Description of th	e Material / Product		
		Viscosity Mod ting or Producing the M		lush oil
Physical State:	☑ Liquid □ Solid	☐ Sludge ☐ Filter Cake	☐ Powder ☐ Combination	on .
Color: Vari 10		Odor: Varis		
Specific Gravity (wa	nter=1):	Density: lbs/ga	al	
Does this material c	ontain any total phe	nolic compounds? 🔲 Y	es 🗌 No	
Does this material c	ontain any para sub	stituted phenolic compo	unds? 🗌 Yes 🏻 [	□No
Layers:	Single-phase	Multi-phase	:	
Container Type:	□ Drum	☐ Tote	☐ Truck	Other (explain)
Container Size:	<u>55 gal</u>			· •
	<u> </u>			<del></del>
Evaguanava	☐ Weekly	□ Monthly	On out	□ Vesselve
Frequency:		Monthly	☐ Quarterly	☐ Yearly
Number of Units (co	ontainers): VIMI	Other:	<del></del>	
		Product		
Proper U.S. DOT SI	nipping Name:	Non RCRA Non I	OT Regulated Ma	terial
Class na	IIN/N	<u> </u>	PC· na	PO: na

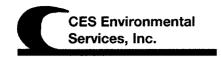
4 *						
Flash Point  7200°F	рН 3-11	N/A	N/A		Solids %	
Oil&Grease	TOC	Zinc	Copper	Nickel	/ / / /	Trops
7 500_mg/l	MA mg/l	_ <i>NA</i> _mg/l	<i>NA</i> m	ng/l <u>NA</u> 1	ng/l	
SECTION 4: Physic	al and Chemical D	<u>ata</u>				
The meterie	COMPONENT	STABLE of the following material	c	Concentration Ranges are accep		-
The materia	( New		osity Ma	~ \	2/5	-
			3.3	100		_
						-
				:		-
						]
Standard  SECTION 6: Attach  List all documents, no Section 7: Incomp  Please list all incomp  Strong Oxidizers  SECTION 8: Materi  The information conta	ed Supporting Doc otes, data, and/or a m Sharkd a patibilities atibilities (if any):	nalysis attached to this fo	orm as part M S S  ge and/or	of the material / prod:	luct profile.	
		and that all known or sus- scribed by this document.	pected haza	ards have been disclose	ed. I certify that	the materials
Authorized Signature	<b>:</b>			Date:		
Printed Name/Title:	· · · · · · · · · · · · · · · · · · ·					
CES USE ONLY (DO NO	T WRITE IN THIS SPA	ACE)				
Technical Manager:	oben as	nd				
Date: G-Q-08	App	roved Rejected				

Approval Number:



### PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	Pay \$0.15 FOB CES.
	No Payment INO charge for backhauled loads by
	No Payment INO charge for backhauled loads by CES. Pay B.019/pound
2.	
	Very thick moterial. If operations management thinks this natural to so thick to emsume too many man hours then there may be so thick to ensume for material. It damaged drums are in orn the ma payment for material. It damaged drums are in orn
	packs + operations determines too many man hours with
3.	Surcharge Pricing:
4.	Special Testing Requirements:  PVII retain Sample. If thin enough in considering, the
5.	material should be bulked into CES base of the Period consistency, volume and down invendory the property to product sales to record to product sales to record to rec
6.	operations manager determination. Material is very thicky viscous. Have product sales and ups. manager look at sample.  Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



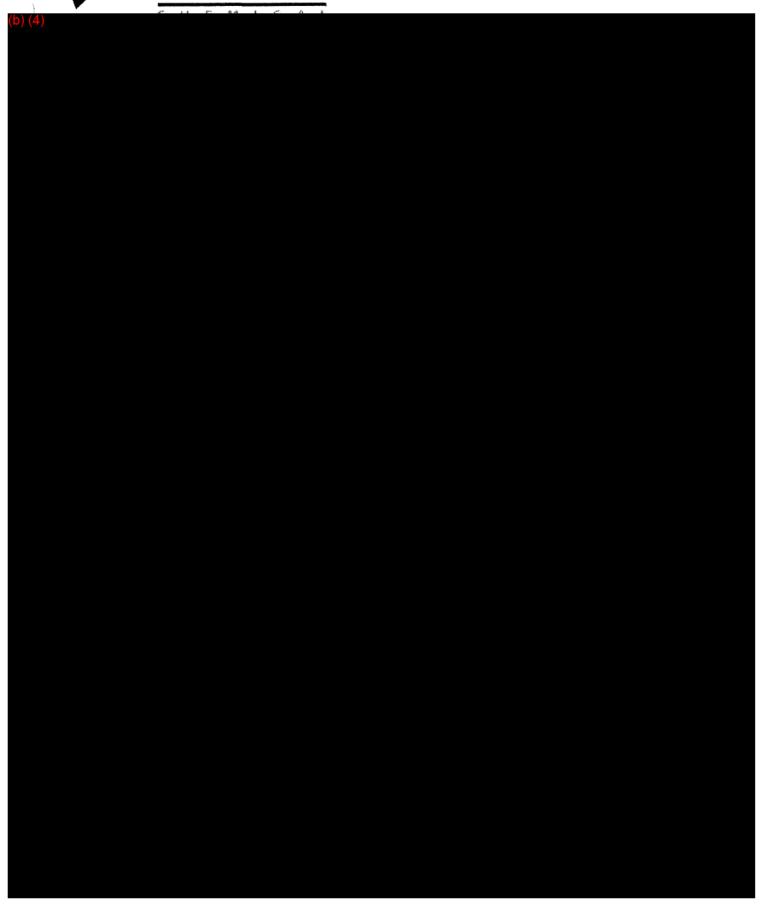
### PROCESS FACILITY INFORMATION (CES USE ONLY!!)

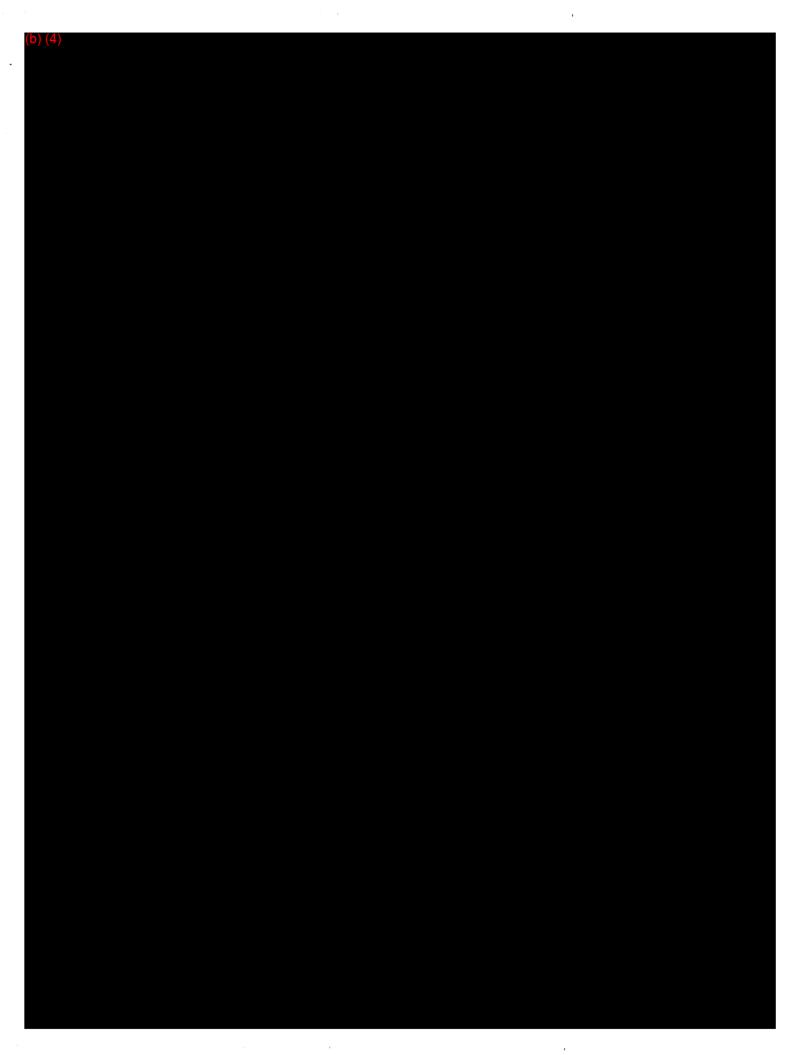
7.	Tests for Product Recovered/Recycled (if applicable):
3.	Management for Product Recovered/Recycled (if applicable);

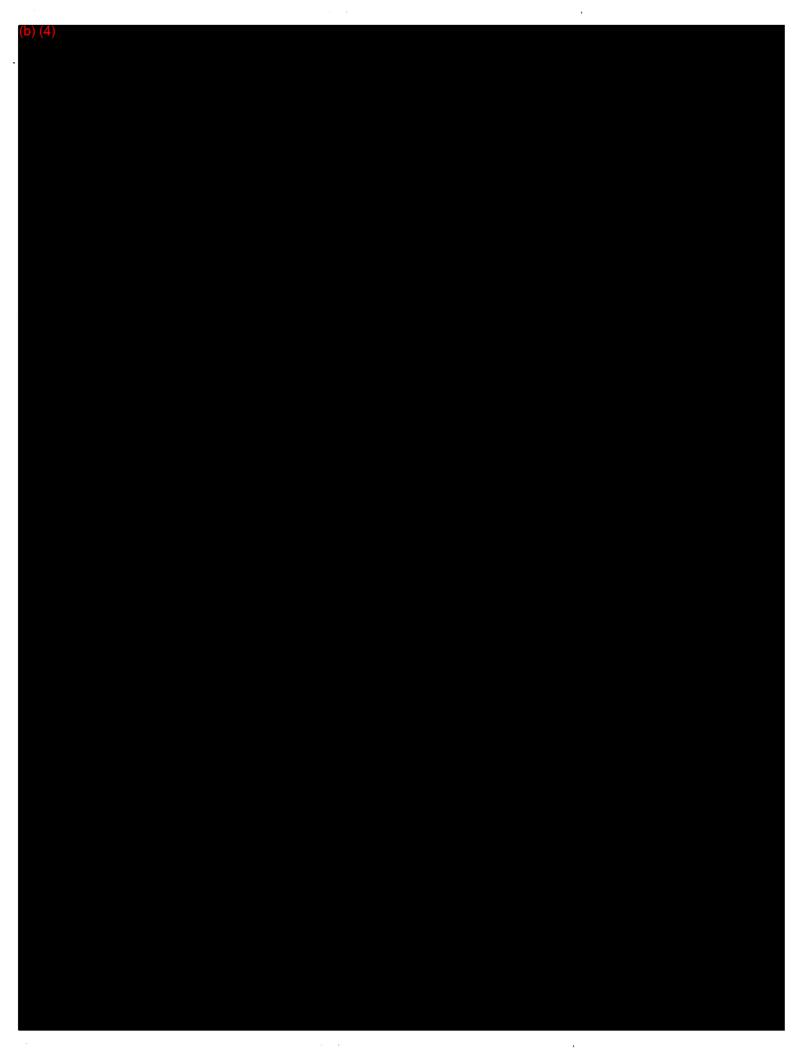
One example

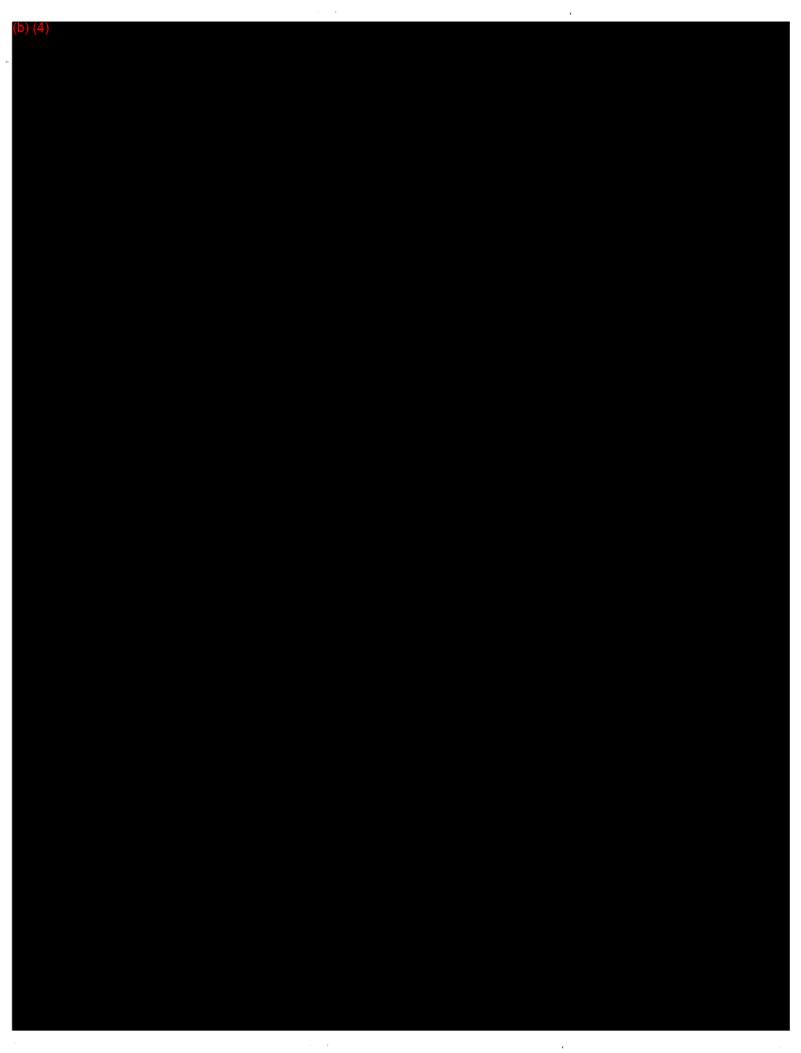


## **Material Safety Data Sheet**











\* \* \* END OF MSDS \* \* \*



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

### Waste Pre-Acceptance/Approval Letter

Date 9/5/2008

Dear John Featherly

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2979

Expiration Date 9/5/2010

Generator: Mission Petroleum Carriers, Inc., Angleton

**Address:** 28318 FM 2004

Angleton, TX 77519

Waste Information

Name of Waste: Tank sludge TCEQ Waste Code #: 83091192

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Sludge from the clean out of a tank. The tank conained rinsewater from trailer cleanout

**Color:** dirty brown

**Odor:** n/a **pH:** 7-8

**Physical State:** 

**Incompatibilities:** n/a

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

### - CERTIFICATE OF RESULTS -

MES Lab#:

8080303

Client Sample ID:

#4

Project#: 1

Extended ID:

Mission Petroleum

Sample Collect Date: 8/19/2008 @ 8:00:00 AM

Sample Receipt Date: 8/19/2008 @ 12:30:00 PM

Sample Type:

Comp

Total Petroleum Hydrocarbons Solid Method: TNRCC 1005	MDL		Result	Units	Analyst: HDo Date / Time	3
C6 C12 Hydrocarbons	4	-	289	mg/kg	9/5/2008 /	11:16 AM
>C12 - C28 Hydrocarbons	8		526	mg/kg	9/5/2008 /	11:16 AM
>C28 - C36 Hydrocarbons	8		< 8	mg/kg	9/5/2008 /	11:16 AM
Total TPH	20		815	mg/kg	9/5/2008 /	11:16 AM
TCLP Mercury Method: SW-846 7470A	MDL	RL	Resuit_	Units	Analyst: JA Date / Time	
Mercury	0.0002	0.2	< 0.0002	mg/L	8/22/2008 /	6:47 PM

Flags: H: Exceeds "High Limit" L: Below "Low Limit" RL=regulatory limit

/N 3

Friday, September 05, 2008

Holfand D. Gilmore, Laboratory Manager

Date

Report Date: 05-Sep-08

Page 3 of 3

### Mercury Environmental Services, Inc.

6913 HWY 225, Deer Park, TX 77536 Phone: (281)-476-4534 Fax: (281)-476-4406

**CES Environmental Services** 

4904 Griggs Rd

Phone: (713) 676-1460 Fax: (713) 748-8664

Houston, TX 77021

Attn:

Steve Stricken

- CERTIFICATE OF RESULTS -

MES Lab#;

8080303

Client Sample ID:

#4

Project#: 1

Extended ID:

Mission Petroleum

Sample Collect Date: 8/19/2008 @ 8:00:00 AM

0/40/0000 @ 0-00-00 A

Sample Type:

Comp

Sample Receipt Date: 8/19/2008 @ 12:30:00 PM

Test Group / Method Reactivity, Recoverable Hydrogen Cyanide Analyst: CL Date / Time Method: 7.3.3.2 MDL Units Result Hydrogen Cyanide 0.25 < 0.25 8/22/2008 / 2:30 PM mg/kg Reactivity, Recoverable Hydrogen Sulfide Analyst: CL Method: 7.3.4.2 Date / Time MDL Result Units Hydrogen Sulfide 0.25 < 0.25 8/25/2008 / 8:30 AM mg/kg Analyst: JE Corrosivity: pH Method: SW-846 9045 MDL Date / Time Result Units 7.58 8/20/2008 / 11:30 AM pΗ **TCLP Volatiles** Analyst: HDG Method: SW-846 8260B MDL RL Units Date / Time Result 1.00 0.2 < 1.00 Vinyl chloride mg/L 8/27/2008 / 1:49 AM 0.50 0.7 < 0.50 mg/L 1,1-Dichloroethene 8/27/2008 / 1:49 AM 5.00 200 < 5.00 2-Butanone mg/L 8/27/2008 / 1:49 AM Chloroform 0.50 6 < 0.50 8/27/2008 / 1:49 AM mg/L Carbon tetrachloride 0.50 0.5 < 0.50 8/27/2008 / 1:49 AM mg/L 1.2-Dichloroethane 0.50 0.5 < 0.50 ma/L 8/27/2008 / 1:49 AM Benzene 0.50 0.5 < 0.50 mg/L 8/27/2008 / 1:49 AM 0.50 0.5 < 0.508/27/2008 / 1:49 AM Trichloroethene mg/L Tetrachloroethene 0.50 0.7 < 0.50 mg/L 8/27/2008 / 1:49 AM Chlorobenzene 0.50 100 < 0.50 8/27/2008 / 1:49 AM mg/L 7.5 < 0.50 1.4-Dichlorobenzene 0.50 mg/L 8/27/2008 / 1:49 AM Hexachlorobutadiene 0.50 0.5 < 0.50 8/27/2008 / 1:49 AM mg/L TCLP Metals (8) Analyst: JCA RL Method: SW-846 6010B MOL Result Units Date / Lime 0.014 < 0.014 8/22/2008 / 3:20 PM Arsenic mg/L

Report Date: 05-Sep-08

Page 1 of 3

### - CERTIFICATE OF RESULTS -

MES Lab#:

8080303

Client Sample ID:

#4

Project#: 1

Sample Type:

Comp

Extended ID:

Mission Petroleum

Sample Collect Date: 8/19/2008 @ 8:00:00 AM

Sample Receipt Date: 8/19/2008 @ 12:30:00 PM

Hexachlorobutadiene  2,4,6-Trichlorophenol	0.06 0.05	0.5 2	< 0.05 < 0.05	mg/L mg/L	8/26/2008 / 7:51 PN 8/26/2008 / 7:51 PN
Nitrobenzene	0.05		< 0.05	mg/L	8/26/2008 / 7:51 PN
Hexachloroethane	0.05 0.05	3 2	< 0.05	mg/L	8/26/2006 / 7:51 PN
m+p-Cresol	0.05	200	< 0.05	mg/L	8/26/2008 / 7:51 PN
o-Cresol	0.05	200	< 0.05	mg/L	8/26/2008 / 7:51 PN
1,4-Dichlorobenzene	0.05	7.5	< 0.05	mg/L	8/26/2008 / 7:51 PN
Pyridine	0.05	5	< 0.05	mg/L	8/26/2008 / 7:51 PM
Method: SW-846 8270C	MDL	RL_	Result	Units	Date / Time
TCLP Sem-Volatiles					Analyst: JAC
2,4,5-TP (Silvex)	0.2	1	< 0.2	m <b>g</b> /L	8/29/2008 / 7:15 AM
2,4-D	0.3	10	< 0.3	mg/L	8/29/2008 / 7:15 Al
Method: SW-846 8151A	MDL_	RL	Result	Units	Date / Time
TCLP Herbicides	MDI	Di	Danul 4	11-:4-	Analyst: HDG
Methoxychlor	0.002	10	< 0.002	mg/L	8/29/2008 / 6:09 AM
Toxaphene	0.02	0.5	< 0.02	mg/L	8/29/2008 / 6:09 At
Heptachlor epoxide	0.0002	0.04	< 0.0002	mg/L	8/29/2008 / 6:09 AI
Lindane	0.0002	0.4	< 0.0002	mg/L	8/29/2008 / 6:09 Al
Heptachlor	0.0002	0.008	< 0.0002	mg/L	8/29/2008 / 6:09 Al
Endrin	0.0004	0.02	< 0.0004	mg/L	8/29/2008 / 6:09 AI
Chlordane	0.0002	0.03	< 0.0002	mg/L	8/29/2008 / 6:09 AI
TCLP Pesticides Method: SW-846 8081A	MDL	RL	Result	Units	Analyst: HDG Date / Time
Silver	0.002	5	< 0.002	mg/L	8/22/2008 / 3:20 PM
Selenium Si	0.024	1	< 0.024	mg/L	8/22/2008 / 3:20 PI
Lead	0.005	5	< 0.005	mg/L	8/22/2008 / 3:20 PI
Chromium	0.002	5	< 0.002	mg/L	8/22/2008 / 3:20 PI
Cadmium	0.002	1	< 0.002	mg/L	8/22/2008 / 3:20 P
Barlum	0.0005	100	0.164	mg/L	8/22/2008 / 3:20 PI

Report Date: 05-Sep-08

Page 2 of 3

8080303

#### **MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT**

SURROGATE SPIKE RECOVERY FOR PESTICIDES	% REC
Decachlorobiphenyl Tetrachloro-metaxylene	56.7 52.2
SURROGATE SPIKE RECOVERY FOR VOLATILES	% REC
Dibromofluoromethane Toluene-d8 4-Bromofluorobenzene	113 98 174
SURROGATE SPIKE RECOVERY FOR SEMIVOLATILES	% REC
2-Fluorophenol Phenol-d6 Nitrobenzene-d5 2-Fluorobiphenyl 2,4,6-Tribromophenol p-Terphenyl-d14	56 48 64 68 64 88

ANALYTE	MB mg/L	LCS %REC	LCSD %REC	RPD	CCB mg/L	CCV %REC	MS %REC	MSD %REC	RPD
Arsenic	< 0.002	94	94	0.7	< 0.002	91	76.4	77.2	1.04
Barium	< 0.002	105.0	105	0.43	< 0.002	101	65.2	67.7	3.8
Cadmium	< 0.001	109.4	110.9	1.32	< 0.001	107	70.9	72.0	1.5
Chromium	< 0.001	109	107	2.50	< 0.001	103	70.0	72.2	3.0
Lead	< 0.002	106.1	109.2	2.90	< 0.002	107	<b>67</b> .7	71.9	6.1
Mercury	< 0.0002	101.0	97.5	3.53	< 0.0002	102.0			
Selenium	< 0.024	108.1	91.4	16.7	< 0.024	87	64.9	61.8	5.0
Silver	< 0.001	110	109	0.91	< 0.001	104	73.4	75.6	3.06

– Mercury Environmental Services, Inc. ——

8080303

### MERCURY ENVIRONMENTAL SERVICES QA/QC REPORT

ANALYTE		STD				 			
Flashpoint		82°F							
ANALYTE	BUFFER 7.0	ORIG	DUP	RPD					
pH	7.0	6.96	6.96	0.00			<del>_</del>		
ANALYTE		ORIG mg/kg	DUP mg/kg	RPD		 		-	
Reactivity as I	lydrogen Sulfide	< 0.25	< 0.25	0.00					
ANALYTE		ORIG mg/kg	DUP mg/kg	RPD	STD %REC		<u></u>		
Reactivity as I	lydrogen Cyanide	< 0.25	< 0.25	0.00	99				

ANALYTES	METHOD TPH1005	MB mg/kg	CCV %REC	MS %REC	MSD %REC	
C6-C12 C12-C28		< 4 < 8	119.2 120.1	106.2 105.6		

### Key to QA Abbreviations

MS=Matrix Spike RPD=Relative Percent Deviation LCS=Laboratory Control Standard CCB=Continuing Calibration Blank MDL=Minimum Detection Limit MSD=Matrix Spike Duplicate
MB=Method Blank
CCV=Continuing Calibration Verification
%Rec=Percent Recovery
RL=Regulatory Limit

Signature: Holland D. Gilmore / Laboratory Director

September 5, 2008

– Mercury Environmental Services, Inc. —

MERCUP	CHAIN OF CUSTO		Thi	مأد			Ī	invoice CE	To:	6	(A)	i voi	h v	-	1	Ĵ				TA'	r (NORH	ING DA	YS) CIRC	LE ONE	(5)
ENVIRON	ì	CES En				را		Compa							<u>~ ` `</u>				UΒ	LOT!	;		COC Pre	seni?	2
Laboratories	Page of	1904 Gr	~ ~<	0	J	<u></u>		Addre	<b>5.5</b> .										Ship	ment Yes	Sealed? No		_	Seale:	,
MERCURY ENV	<mark>/IRON LABORATORIES, LLC</mark> Deer Park, TX 77536	City Sou Son	9	Slale:	72	Zip:	-1	City.						State	:		Zip:		Rece		onice? No		Samples Yes	intact?	
(281) 476-4534	(800) 771-4837	Phone: 281-4	33	÷Ż	25			Phone	5									·	Ccol		np. (°C)		Preserva	tive Sho	
e-mail: mesenv(	1406 / After Hours: (281) 844-2 Baol.com	309 Fax 7:3-6	76-	16	<u> </u>			Fax: PO#:						Quot	<b>.</b> 4:				L		Hold Tir	ne 0%?	Yes Res. Cl2		NA OK?
Project Name:	Potroleum	Sampler Remarks:	<sup>2</sup> Crstr. 1 Numbe					$\dashv$	-												Yes pH Cine	No k OK2	Yes COC & L		NA oree?
Project Location:	FM ZNOY		Valume																		Yes	No NA	Yes	No	
Project No.	101 200 /		Prese	valive	$\dashv$			-+		OTA					_		_		-	-	Remark	s, adce	1 Tes!s, 5	special Li	mits
Sampler (Print)				AB		ļ		F	EP	ACC	_	. /	J							İ	ļ.				
Sampler (Print):	Char	}		(C)OMP / (G)RAB	18)	TPH (TX1005.3)	ĺ	ł	<b>6</b> 5	6	ETAL	P	ş												
Sampler(Sign):			MATRIX	ÄP,	(602	Ě	ļ	ł	VOLATILES	Ž V	4 B M	Henbra	مر مرا		l				1						
MEL USE ONLY (LAB NO.)	YOUR SAMPLE 10.	CATE/TIME SAMPLED	ΨA	<u>ပ်</u>	BTEX (6021B)	HPT.	20	PA H	Š	SEMI-VOLS	RCRA B METALS	Ŧ													
	1) #/	8-19-08 8:4		又			X		X	又	X	X	人												
	2)																								
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8	(a)		┟╌┨			┪	_	+	-										<del>                                     </del>	<del>                                     </del>					
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Relinquished By (S)	Print Name:	Campany:	Date:			Time:	30	Rezei	(eu 18	A io	an):			Name Od.s		20,21	A K	Com		l 1EL		A PA	i.R	Time 12:30	
Relinquished By (Sh		Company:	Date:	<u> </u>		Time:		Receiv	<b>60</b> B	y (Si	n):			Name		<del>***</del> ***	<del>ve</del>	Com		<u> 1</u>		Dat		Time	
Relinquished By (Si	n): Print Name:	Сотралу:	Date:			Time:		Receiv	ed B	y (Siç	)n):		Print	Name	<u>):</u>			Com	pany:			Dal	:e:	Terra	3:
	6 and 181 mg - 18724 are	. Di au . Di a				M	atrix	Key		_					_										
	S:Soil W:Water WW:Waste Wa	Tyne Key	Sedi	ment i	_: Lea	ichete	WI:	Wpe							3	Pres	erva	tive	Kev						
<u> </u>	P:Plastic G:Glass V:VOA Glass	O:Olher							1:10	2(<4°	C) 2	HCL	3:H2	504	4:HN	03 5	NaO	H 6:N	N:OH	+Zn A	cetate 7	:Na2S2	03 <b>8</b> :No	ne	

F.002



	,			Phone:	04 Grig (713) ( Ltp://w ustrial	zes Roa 676-146 <u>/ww.ce</u> Solid W	<u>senviron:</u> Vaste Peri	on, TX 770 x: (713) 6 mental.co mit Numi	76-1670 M Ser: 309		-	This in (	PNO TPH RCI	ofile RT	CRACL CL	eds A Më P V	analytice tals olatiles LP Semi- volatil
SECTION 1:	Genera	<u>itor in</u>	<u>formatio</u>	<u>on</u>												T.	vola-Til
Company:	Missio	n Petr	oleum C	arriers_		_										<i>''</i>	anks,
Address:	28318	FM 20	004									- ** ******					Tobbar
City:	Angelt	on				St	ate:	TX		_Zip:						77515	•
Contact:	John F	eathe	ly		·····			Title:			. II <u>.                                  </u>						
Phone Num			713-94	3-8250		,		_Fax Nu	mber:	713-9:14-	080						
24/hr Phon		er:		522000				<b>-</b>			-						
US EPA ID N				1979 19つ			ना इस	CIC Coo			· [-						
State ID No:	•		سادت	193	~~~ <u>~~</u>		-9-27-24	SIC Cod	ie:	<del></del> ;	·						
SECTION 2: Company: Address:	Billing	inform	nation -	<b>I</b>	Same	as Abo	ove					·				<del></del>	
City:						- Ct	ate:			Zip:							
Contact:							.0191	Title:		p.						<del></del>	
Phone Num	ber:							Fax Nu	mber:		·					~~~~	
								-									
SECTION 3:	Genera	l Desc	ription (	of the W	<u>este</u>												
				•							!						
Name of Wa			Tank Slu			<del> </del>					-   -			- · · · · · ·			in Many sekapen nekabban 1971-19
Detailed De	scriptio	n of P	rocess G	eneratin	g Was	de:					;						
Sludge from	the ele	an au	. A.F. A. &A. —	.k That	nk sa	neolno	d eineau	near from	ila	l	.  ;						
Slooke Hom	me cie	an our	O a tan	A. Inch	INK CO	utaile	u msew	ate: nor	n trane	rciealiou				~			
Physical Sta	te:	ГЛ	Liquid		l	√ SI	udge		П	Powder							
,,		ñ	Solid				p- Iter Cake	;	Ħ	Combine	) Dn						
						_											
Colar:	Dirty B	rown						Odor:		N/A							
												0					
Specific Gra	vity (wa	iter=1	<b>}</b> :	£				-		Density:	<u>                                     </u>	8	_ lbs/g	al			
											.						
Does this m	atenai (	contai	n any to	tai pnen	DHC CO	mpou	nast	L	Yes	ا	<u> N</u> C	)				•	
Does this m	aterial /	tontai	n anv na	ara enhet	tuted	nhen	niic com:	rshawa			es		No				
		••••••	., 4, p			<b>P</b> 112.11	2110 001119	,0000.		L-		ىت					
Is the Waste	e subjec	z to ti	ne benze	ne wast	e oper	ation i	NESHAP	40 CFR	l Part é	1, Subpar	ı F)			Yes	V	No	
Answer "Yes	s" if you	r wast	e contal	ns benze	ne AN	Difth	e SIC cod	ie from y	your fa	cility is on	e f t	he follo	wing:				
2812		2813		2816	2	819	2821		2822	287	2.	2824		2833		2834	
2835		2836		2841	2	842	2843	;	2844	285	<b>i</b>   :	2861	l	2865		2869	
2873		2874		2876	2	879	2891		2892	289	): []·	2896	i	2899		2911	
3312		4953		4959	9	511											
Layers:	V	Singi	e-phase	· [	] w	lulti-pi	hase										
Container T	ype:		Drum	□ To	ite	☑ Tr	uck [	Other (	explair	n)							
Frequency: Quantity:	□ <b>W</b> € 50YD	eekly	☐ Mo	nthly [	Yea	riy 🗹	One-T	ime									
											-						

	ous Waste" per 40CFR 261. mplete, sign and date the Und		Yes rdous Constituer	i	1		
If "Yes", Is it:	D001 (Ignitable)	D002 (Core	rosive)	D003 (Re	itive)		
aracteristic for Toxic	Metals: 🔲 D004	‡ □D005	□ 0006	: :	D008	<b>□ D</b> 009	
aracteristic for Toxic	D010 []   Organics: D012 thru D043						
	ed waste or mixed with one ist ALL applicable codes:	e7	☐ Yes	<u> </u>	No		
CFR 261.33(e) or (f)?	oduct or spill cleanup that w		a " <b>U" or "P" wa</b> ] No	ste codé v	der		
r "ves", then please i	ist ALL applicable codes;	G a	20110		<u></u>	·	
xas State Waste Code	Number:	83	09/19.	<u> </u>			
oper US DOT Shipping	Name: Non-Hazan	dous, Non-R	egulated Sludge	2	ļ		
oss:	UN/NA:	_PG:		RQ:	Ē	<del>-</del>	
Flash Point	PH	React	ive Sulfides	Reactiv	Cyanides	Soli	ds
				0	mg/i	15-20	%
>200	7-8	0	<u>mg/l</u>		Ing/)	10-20	<u> </u>
>200 Oil & Grease <u>mg/l</u>	TOC BRL mg/!	BRL	Zinc mg/i	Cr BRI:	per mg/l	Nic) BRL	، خنست
Oil & Grease mg/l	BRL mg/!		Zinc	Cc	per	Nic	œl
Oil & Grease mg/l CTION 4: Physical and	TOC BRL mg/l Chemical Data MPONENTS TABLE	BRL	Zinc mg/l	Concen	per mg/l	Nic	me/ UNIT
Oil & Grease mg/l CTION 4: Physical and	TOC  BRL mg/t  Chemical Data  MPONENTS TABLE sists of the following materi	BRL	Zinc mg/l	BRI CONCEN	mg/l mg/l ATOIN cceptable	Nic	MR/ MR/ UNITS
Oil & Grease mg/l CTION 4: Physical and	TOC  BRL mg/I  Chemical Data  MPONENTS TABLE sists of the following materi  Water	BRL	Zinc mg/l	CONCIEN Ranges ire	mg/l mg/l ratoin cceptable	Nic	UNIT:
Oil & Grease mg/l CTION 4: Physical and	TOC  BRL mg/t  Chemical Data  MPONENTS TABLE sists of the following materi	BRL	Zinc mg/l	BRI CONCEN	mg/l mg/l ATOIN cceptable	Nic	mg/ mg/ UNITS
Oil & Grease mg/l CTION 4: Physical and	TOC  BRL mg/I  Chemical Data  MPONENTS TABLE sists of the following materi  Water	BRL	Zinc mg/l	CONCIEN Ranges ire	mg/l mg/l ratoin cceptable	Nic	UNIT:
Oil & Grease mg/l CTION 4: Physical and	TOC  BRL mg/I  Chemical Data  MPONENTS TABLE sists of the following materi  Water	BRL	Zinc mg/l	CONCIEN Ranges ire	mg/l mg/l ratoin cceptable	Nic	UNIT:
Oli & Grease   mg/l  CTION 4: Physical and	TOC  BRL mg/I  Chemical Data  MPONENTS TABLE sists of the following materi  Water	BRL	Zinc mg/l	CONCIEN Ranges ire	mg/l mg/l ratoin cceptable	Nic	UNIT:
Oli & Grease  mg/l  CTION 4: Physical and	TOC  BRL mg/I  Chemical Data  MPONENTS TABLE sists of the following materi  Water	BRL	Zinc mg/l	CONCIEN Ranges ire	mg/l mg/l ratoin cceptable	Nic	UNIT
Oli & Grease  mg/l  CTION 4: Physical and	TOC  BRL mg/I  Chemical Data  MPONENTS TABLE sists of the following materi  Water	BRL	Zinc mg/l	CONCIEN Ranges ire	mg/l mg/l ratoin cceptable	Nic	UNITS
Oli & Grease  mg/l  CTION 4: Physical and	TOC  BRL mg/I  Chemical Data  MPONENTS TABLE sists of the following materi  Water	BRL	Zinc mg/l	CONCIEN Ranges ire	mg/l mg/l ratoin cceptable	Nic	UNITS
Oli & Grease mg/l CTION 4: Physical and	TOC  BRL mg/I  Chemical Data  MPONENTS TABLE sists of the following materi  Water	BRL	Zinc mg/l	CONCIEN Ranges ire	mg/l mg/l ratoin cceptable	Nic	UNITS
Oli & Grease   mg/l  CTION 4: Physical and	TOC  BRL mg/I  Chemical Data  MPONENTS TABLE sists of the following materi  Water	BRL	Zinc mg/l	CONCIEN Ranges ire	mg/l mg/l ratoin cceptable	Nic	UNIT:
Oli & Grease   mg/l  CTION 4: Physical and	TOC  BRL mg/I  Chemical Data  MPONENTS TABLE sists of the following materi  Water	BRL	Zinc mg/l	CONCIEN Ranges ire	mg/l mg/l ratoin cceptable	Nic	UNIT:
Oil & Grease mg/l CTION 4: Physical and	TOC  BRL mg/I  Chemical Data  MPONENTS TABLE sists of the following materi  Water	BRL	Zinc mg/l	CONCIEN Ranges ire	mg/l mg/l ratoin cceptable	Nic	UNIT:
Oil & Grease mg/l CTION 4: Physical and	TOC  BRL mg/I  Chemical Data  MPONENTS TABLE sists of the following materi  Water	BRL	Zinc mg/l	CONCIEN Ranges ire	mg/l mg/l ratoin cceptable	Nic	UNIT:
Oil & Grease mg/l CTION 4: Physical and	TOC  BRL mg/I  Chemical Data  MPONENTS TABLE sists of the following materi  Water	BRL	Zinc mg/l	CONCIEN Ranges ire	mg/l mg/l ratoin cceptable	Nic	UNIT:
Oil & Grease mg/l CTION 4: Physical and	TOC  BRL mg/I  Chemical Data  MPONENTS TABLE sists of the following materi  Water	BRL	Zinc mg/l	CONCIEN Ranges ire	mg/l mg/l ratoin cceptable	Nic	UNIT:
Oil & Grease mg/l CTION 4: Physical and	TOC  BRL mg/I  Chemical Data  MPONENTS TABLE sists of the following materi  Water	BRL	Zinc mg/l	CONCIEN Ranges ire	mg/l mg/l ratoin cceptable	Nic	UNIT:

SECTION 5: Safety Relat	ed Data		[]		
If the handling of this wa	iste requires the use of special protective equipment, pleas	e exp	出	1.	
Standard PPE		•	11.		
			巾		•
					•
			11		•
SECTION 6: Attached Su	poorting Documents				
List all documents, notes	, data and/or analysis attached to this form as part of the w	aste	H.		
approval package.	Analytical, ID#8080303		].]		
			1[		
SECTION 7: Incompatible	<del></del>		-		
Please list ALL incompati	bilities (if any):				
N/A					•
				· · · · · · · · · · · · · · · · · · ·	
		:-	1		
			$\left  \cdot \right $		
	Knowledge Documentation		11.		
	e hazardous waste characteristics, listed below, WAS NOT I	PERFC		MED	• .
based upon the following	g generator knowledge:		11		
T(1,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0,0			11		
TCLP Metals: TCLP Volatiles:		—-	╟		•
	W-W-1		14	·	•
TCLP Semi-Volatiles:			1		•
Reactivity:			-		•
Corrosivity:			-  -		•
Ignitability:	general and the second of the	<del>,</del>	-		regularitation appropriate to the
	Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Re	au/rer		nts for Centralized Waste Treatment	
Facilities)			1		
	al a wastewater or wastewater sludge?			ES V NO	
If 'Yes', c	omplete this section.				
PLEASE CHEC	K THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO	m tu	11,	IEYT DAGE	
Metals Subcategory: Subp			Il		
	plating baths and/or sludges		$\left  \cdot \right $		
Chromate we	ng rinse water and sludges		il		
the state of the s	control blow down water and sludges		:		
Spent anodizi	ing solutions		11		
Incineration v			П		
☐ Waste liquid	mercury aining wastes greater than 136 mg/l		11		•
	aning wastes greater than 130 mg/l			•	
	ing, and surface preparation solutions from electropiating or ph	osrba	Ц	g onerations	
	ourring wastewater		İſ	<b>G</b> OF STATE	
Alkaline and a	acid solutions used to clean metal parts or equipment				
Olls Subcategory : Subpart	. a				
Used oils	•				
	ulsions or mixtures				
Lubricants					
Coolants	1		11		
☐ Contaminated☐ Used petrolet	d groundwater clean-up from petroleum sources				
Oil spill clean-					
Bilge water	•				
🔲 RInse/wash w	raters from petraleum sources				

•		1
	Interceptor wastes	
	Off-specification fuels	1
•	Underground storage remediation waste	
	Tank clean-out from petroleum or oily sources	
	☐ Nan-contact used glycols	·
	Aqueous and oil mixtures from parts cleaning operations	
	☐ Wastewater from all bearing paint washes	
	Commiss Cubantonam . Cubance C	
	Organics Subcategory: Subpart C  Landfill leachate	·
	Contaminated groundwater clean-up from non-petroleum sources	.}
	Solvent-bearing wastes Off-specification organic product	<b>!</b>
	Still bottoms	
	Byproduct wasta glycol	;
	Wastewater from paint washes	
	Wastewater from adhesives and/or epoxies formulation	1
	Wastewater from organic chemical product operations	
	Tank clean-out from organic, non-petroleum sources	
	(1)	
	If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be	assified in the oils subcategory.
	(-)	<b>]</b> ·
	(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutant:	dead below:
	excess of the values listed below, the waste should be classified in the metals subject	6
		jary.
	Cadmium: 0.2 mg/L	
	Chromium: 8.9 mg/L	
	Copper: 4.9 mg/L	
	Nickel: 37.5 mg/L	[-]
	(3)	
AND THE PARTY OF T	If the waste contains oil and grease less than 100 mg/L, and does not have concentra	, ,
	or nickel above any of the values listed above, the waste should be classified in the o	anics subcategory.
	Metals Subcategory	
	☐ Oils Subcategory	
	Crganics Subcategory	
	SECTION 10 Additional Instructions	
	If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the c	centration of Cadmium, Chromium,
	Copper, Nickel, and Oll and Grease, CES will send offsite to a commercial laboratory a sample to de	mine these concentrations. This
	will be prior to acceptance. The generator will be responsible for the cost of the analysis.	
		[]·
	SECTION 11: Generator's Certification	<b>  </b>  .
	The information contained herein is based on  generator knowledge and/or	analytical data.
	I hereby certify that the above and attached description is complete and accurate to the be	of
	my knowledge and ability to determine that no deliberate or willful omissions of compositions	<b>∤</b> }.
	properties exist and that all known or suspected hazards have been disclosed. I certify that	)e
	materials tested are representative of all materials descripted by this document.	
	6 MANIA	
	Authorized Signature:	ite: 9-2-08
	Authorized alguada G.	
	Onland Stand Water Lake Salat St.	<u> - </u>
	Printed Name/Title: John Featharly	
		[.]
	CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
	() 1. Ad 1	
	Compliance Officer: John May Oh	]].
	Date: 9-5-00 Approved Rejected	
	Approval Number: 2479	
		1
		11



GRIGGS

HOUSTON, TX

	FACSIMILE TRANSMITTAL SHEET	
TO: John Featherly	FROM: Jenny Rust	
COMPANY: Mission	B/29/2008	
fax number: 713-944-6080	TYPTAL NO. OF PAGES INC. 5	DING COVER:
PHONE NUMBER:	ri: Profile	

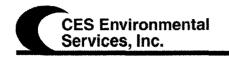
Good Afternoon

Attached is the profile for the material that resulted from the recent tank clean out in Angleton. Please review (add state waste code), sign, date & return a your earliest convenience. Once we receive this profile back we can schedule the pick up of the | kes.

TO! Jenny Rust FRM! Tust

Jennifer Rust - CSR / Inside Sales

Office: 713-676-1460 Direct: 713-800-7913 Cell: 713-367-8581 Fax: 713-676-1676



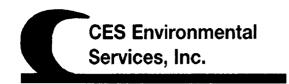
### PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

1. Base Pricing (including freight):
. \$ 35/yd
2. Contamination Limit (maximum limit before surchages apply):
N/A
3. Surcharge Pricing:
MA
4. Special Testing Requirements:
DHA Pash ips
5. Treatment and Handling Protocol:
Rederect to Republic.
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



# PROCESS FACILITY INFORMATION (CES USE ONLY)!!!

7. Tests for Product Recovered/Recycled (if applicable):	
8. Management for Product Recovered/Recycled (if applicable)	



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# **Material / Product Approval Letter**

Date 9/8/2008

Dear Brian Codd

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2980

**Expiration Date** 9/8/2010

Producer: Infineum

Address: Park & Brunswick Avenues

Linden, NJ 07036

Material / Product Information

Name of Material / Product Heavy polyamine

**Container Type:** 

Detailed Description of Process Generating or Producing the Material / Product:

Mixture of polyamines

Color:

Odor:

pH: na

**Physical State:** 

Incompatibilities: strong oxidizing agents, acids, epoxides, aldehydes, ketones,

acrylates, organic halides

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President CES Environmental Services, Inc.

# Heavy Polyanine cannot be treated and lisposed of CES www. Finds. The pH may be a DOOR. It so the material will be harpordons. Moederial will need to process to Ph

# THIS IS NOT A PRODUCT FOR CES.

# **CES Environmental** Services, Inc.

4904 Griggs Road

Houston, TX 77021

Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

Studge processing it now har a. If http://www.cesenvirons
there is a very strong ammonia TCEQ Industrial Solid Waste
odor it has be harded a complete of grans of a home. **ISWR No: 30900**  Cannot goto Fuels or ww.

SECTION 1: Materi		ation_				
Company:	Infineum USA L.P.	<del></del>				<del></del>
Address:		Avenues-P.O. Box 719				
City, State, Zip:	908-474-7273Linde	n, NJ 07036			<u> </u>	
Contact:	Nick Barboza		Title:	Logistcs		
Phone No:	908-474-3084	<del></del> ,	Fax No:	908-474-	7273	
24/hr Phone:	·					
U.S. EPA I.D. No:						
State I.D.	· · · · · · · · · · · · · · · · · · ·		SIC Code:			·
SECTION 2: Billing Company: Address:	Information – 🛛 Sa	ame as Above	·			
City, State, Zip:						
Contact:		Title:				
Phone No:		Fax No:				
		1 da 1 (0.			<del></del>	-
SECTION 3: Genera	l Description of the	Material / Product				
Name of Material / Properties of Description		nmine ng or Producing the Ma	nterial / Product: 1	Mixture of	Polyamines	
Physical State:	<ul><li>☑ Liquid</li><li>☑ Solid</li></ul>	☐ Sludge ☐ Filter Cake	☐ Powder ☐ Combination	1		
Color:	o	dor:				
Specific Gravity (wat	er=1): <u>1.02</u>	Density: 8.5 lbs/gal				
Does this material co	ntain any total phen	olic compounds? 🗌 Y	es 🛭 No			
Does this material co	ntain any para subst	ituted phenolic compo	ınds? 🗌 Yes 🛛 🗵	] No		
Layers:	Single-phase	Multi-phase				
Container Type:	□ Drum	☐ Tote	Truck		Other (explain)	
• •	= '		Huck	Ш	Other (explain)	
Container Size:	<u>55 gal</u>					
Fraguanova	Wester	☐ Monthly			Voordy	
Frequency:	☐ Weekly	☐ Monthly	Quarterly	Ш	Yearly	
Number of Units (con	itainers): 21	Other:				
	· *Y	moduit				
Proper U.S. DOT Shi	pping Name: ——	May-Han An	DOUS, NON	1000	10 kell	<del></del>
Class:	UN/NA		PG:	<u>. wy</u>	RQ:	
Liass.	UIN/INA	" MA	لليـ نظ	1A		1/A

Flash Point	pH	N/A	N/A	Solid	s
302f Dil&Grease	n/a TOC	Zinc	Copper	Nickel	- <u>-</u> -
mg/l	mg/l	mg/l	mg/l	mg/l	
	rial / product cons	I Data  NTS TABLE ists of the following mater	ials Rang	Concentration ges are acceptable	Units or %
EECTION 6: Atta	LA CO ched Supporting I	duct requires the use of specific polymers  Documents  or analysis attached to this			
SECTION 7: Inco	o <u>mpatibilities</u> npatibilities (if an	y):			,
STYCKS SECTION 8: Mat The information co ttached description omissions of comp	erial Producer's Contained herein is ban is complete and osition properties e	certification Letones ased on generator known accurate to the best of my xist and that all known or s described by this document	<ul> <li>knowledge and ability suspected hazards have nt.</li> </ul>	y to determine that been disclosed. I	no deliberate or will certify that the mater
Authorized Signat	ure:			Date: <u>9-</u> 8-05	
Printed Name/Titl	e:				
			_ Do water,	extraction an	d cleck pH
•	NOT WRITE IN THIS	~ 1 ·	A	the 1615t alo	N-Hoz tuel
	(1)	X 1	,,, w.(s)	(	
Technical Manager	: follow	dham	- Mix with an one one segregate	n aquenje n	raction

2980

Approval Number:

Change \$60/drum



# PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	Charge \$60/drum for disposal.
2.	Contamination Limits (maximum limit before surcharges apply):
Ì	
'	
3.	Surcharge Pricing:
ļ	
	<del></del>
4.	Special Testing Requirements:
ļ	
	Tet, TH, FLAN 15190 HO, ASIC, Clay
i	all that and
	pH, Flash point
	on water extraction
	- OH Water Extraction
<b>5.</b>	Treatment and Handling Protocol: 1st choice -, Put with CES NON-Haz. Fine !  L Sludge box - it very strong ammonia older only 1-2 drums can be handled
_ [	1 (1 )
J٢	I Sludge Dox - it very strong ammonia oder only 1-2 drums can be handled
	at a time.
	.4"
,	
6.	Treated Wastewater Discharge Subcategory:
1	
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



# PROCESS FACILITY INFORMATION (CES USE ONLY!!)

## 7. Tests for Product Recovered/Recycled (if applicable):

Suitability for CES 1000 Now-Haz. Fuel

## 8. Management for Product Recovered/Recycled (if applicable);

Goes into CES Non-Haz fuels. Mix with other CES, no adverse reactions

## **MATERIAL SAFETY DATA SHEET**

#### Infineum

DATE PREPARED: MAY 9, 2000 MSDS NO.: 32977000

#### **HEAVY POLYAMINE**

#### MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY:

Strong oxidizing agents.
Acids, epoxides, aldehydes, ketones, acrylates and organic halides.

#### **HAZARDOUS DECOMPOSITION PRODUCTS:**

Ammonia, Ethylenediamine, Diethylenetriamine

## **SECTION 11 TOXICOLOGICAL INFORMATION**

Please refer to Section 3 for available information on potential health effects.

#### SECTION 12 ECOLOGICAL INFORMATION

No specific ecological data are available for this product. Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

## SECTION 13 DISPOSAL CONSIDERATIONS

Please refer to Sections 5, 6 and 15 for disposal and regulatory information.

## SECTION 14 TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT): This product is not DOT regulated.

#### SECTION 15 REGULATORY INFORMATION

#### TSCA:

All of the components of this product are listed on the TSCA Inventory.

## **CERCLA:**

Page: 6/8

## **MATERIAL SAFETY DATA SHEET**

## Infineum

DATE PREPARED: MAY 9, 2000 MSDS NO.: 32977000

#### **HEAVY POLYAMINE**

If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation and Liability Act. We recommend you contact local authorities to determine if there may be other local reporting requirements.

#### **SARA TITLE III:**

Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories:

Immediate health, Delayed Health.

This information may be subject to the provisions of the Community Right-to-Know Reporting Requirements (40 CFR 370) if threshold quantity criteria are met.

This product does not contain Section 313 Reportable Ingredients.

### **SECTION 16 OTHER INFORMATION**

#### **HAZARD RATING SYSTEMS:**

This information is for people trained in:
National Paint & Coatings Association's (NPCA)
Hazardous Materials Identification System (HMIS)
National Fire Protection Association (NFPA 704)
Identification of the Fire Hazards of Materials

	NPCA-HMIS	NFPA 704	KEY	
HEALTH	3	3	4 = Severe	
FLAMMABILI	TY 1	1	3 = Serious	
REACTIVITY	0	0	2 = Moderate	
			1 = Slight	
			0 = Minimal	

CAUTION: HMIS ratings are based on a 0-4 rating scale with 1 representing minimal hazards or risks, and 4 representing significant hazards or risks. Recommended HMIS ratings should not be used in the absence of a fully implemented HMIS hazard communication program.

#### **REVISION SUMMARY:**

Since September 10, 1999 this MSDS has been revised in Section(s): 2, 3, 7, 8, 14

#### REFERENCE NUMBER:

SUPERSEDES ISSUE DATE:

Page: 7/8

# **MATERIAL SAFETY DATA SHEET**

Infineum

DATE PREPARED: MAY 9, 2000 MSDS NO.: 32977000

**HEAVY POLYAMINE** 

HDHA-B-11843

September 10, 1999

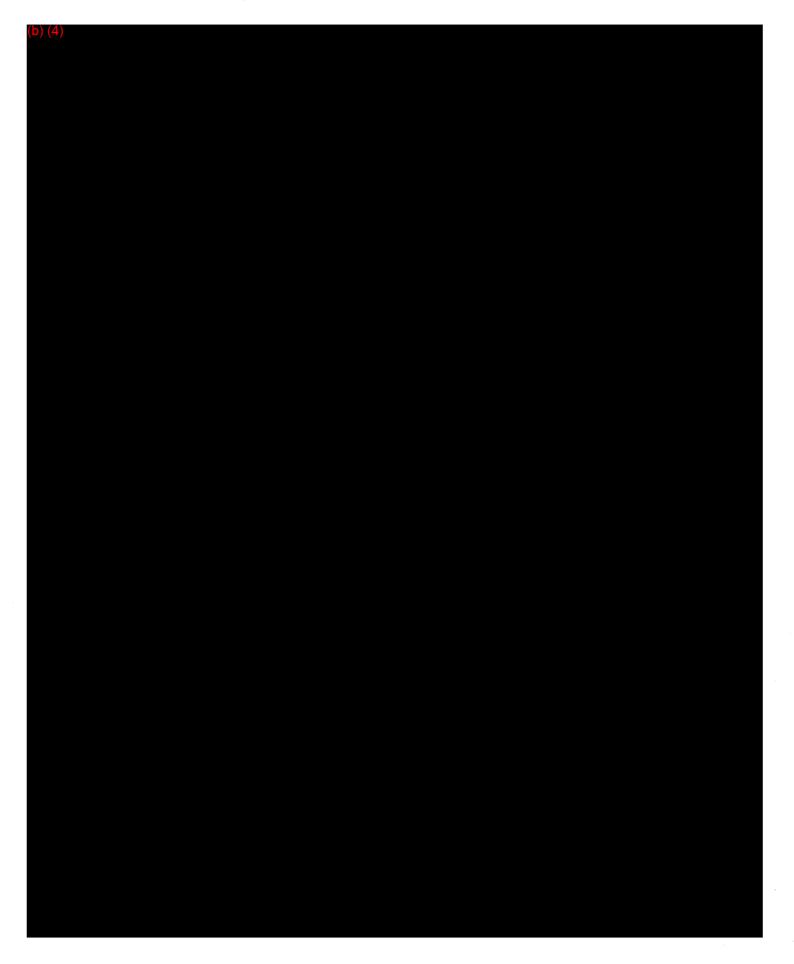
This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the users responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.

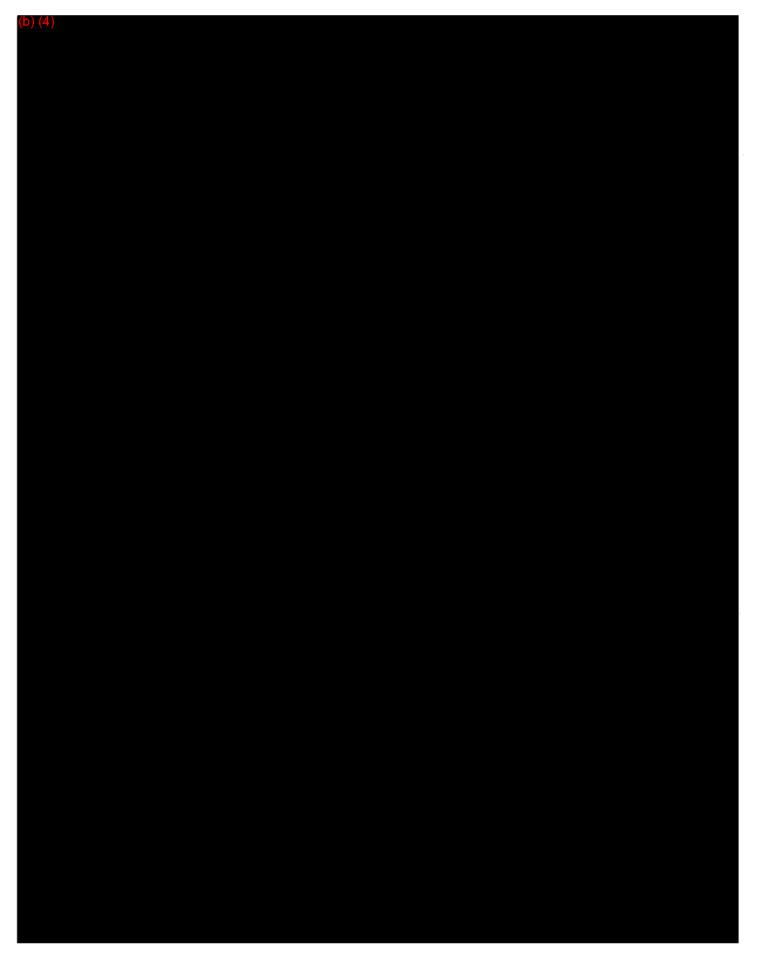
**LAST PAGE** 

Page: 8/8

(24 drums) 21 Drums son Mich 8/15

(b) (4)		





Page: 3/8



(b) (4)		

Page: 5/8



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

# **Material / Product Approval Letter**

Date 9/9/2008

Dear **Ed Cox** 

Thank you for choosing CES Environmental Services, Inc. for your material / product recycling needs. The following material has been approved at our facility in Houston, TX. If the material received does not conform to the profile, then rejection or additional charges may apply.

**CES Profile #** 

Expiration Date 9/9/2010

**Producer:** Afton Chemical Corporation

Address:

Suget, IL 62201

Services, Inc.

Material / Product Information

Name of Material / Product Afton viscosity modifier

**Container Type:** 

**Detailed Description of Process Generating or Producing the Material / Product:** 

Afton viscosity modifier

Color: varies

**Odor:** varies

**pH:** 3-11

**Physical State:** 

Incompatibilities: strong oxidizers

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.



# **CES Environmental** Services, Inc.

JB

4904 Griggs Road

Houston, TX 77021 Fax: (713) 676-1676

Phone: (713) 676-1460

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948

U.S. EPA ID No: TXD008950461 **ISWR No: 30900** 

SECTION 1: Mate	rial Producer Infori	nation			
Company:	Afton Chemical C				
Address:	501 Monsanto Av	enue			
City, State, Zip:	Suget, Il 66201				
Contact:	Ed Cox		Title:		
Phone No:	(618) 583-1078		Fax No:	(618) 58	3-1388
24/hr Phone:	(618) 583-1078				
U.S. EPA I.D. No:	na				
State I.D.	na		SIC Code:	na	
SECTION 2: Billin	g Information – 🔀	Same as Above			
Company:		<del></del>			
Address:					
City, State, Zip:					
Contact:		Title:			
Phone No:	<del></del>	Fax No	:		
SECTION 3: Gener	al Description of th	e Material / Product			
Name of Material / Detailed Description		. ViScosiby N ting or Producing the M	No Lifer aterial / Product:		
Physical State:	Liquid     Solid     Sludge ☐ Filter Cake	☐ Powder ☐ Combinatio	n		
Color: <u>VM</u> ilo	•	Odor: <u>V(W</u> )			
Specific Gravity (wa	nter=1): <u>vw</u> iw	Density \( \overline{\mu} \) \	al		
Does this material c	ontain any total phe	nolic compounds? 🔲 Y	es 🔀 No		
Does this material c	ontain any para sub	stituted phenolic compo	unds? 🗌 Yes 🕻	× No	
Layers:	Single-phase	☐ Multi-phase	,		
Container Type: Container Size:	☑ Drum <u>55 gal</u>	Tote	Truck		Other (explain)
Frequency:	☐ Weekly	Monthly	☐ Quarterly	П	Yearly
Number of Units (co	• •	/ <b>V</b>		_	•
ramper or omes (co	Manuel s). VIW 19	hodut			
Proper U.S. DOT Si	nipping Name:	Non RCRA Non D	OOT Regulated Ma	terial	
Class: na	UN/N	A: na	PG: na		RQ: na

Flash Point 200° F	pH _3-11	N/A	N/A	Solids 4_%
Oil&Grease <u>&gt;(\$00</u> mg/l	TOC _NA_mg/l	Zinc M_Bmg/l	CopperMmg/l	Nickel  MB mg/l

#### **SECTION 4: Physical and Chemical Data**

COMPONENTS TABLE	Concentration	Units	
The material / product consists of the following materials	Ranges are acceptable	or %	
(See MSDS)			
(See MSDS) Viscosity Modifier	VOD	0/5	
		<u> </u>	
		<del>                                     </del>	

#### **SECTION 5: Safety Related Data**

## **SECTION 6: Attached Supporting Documents**

List all do	cuments, n	otes, dat	a, and/or	analysis a	attached	l to this form	as part of th	e material /	product profile.
100	MASTS	A 6	Janas	ما تما لم	٤ :	Customer	MS DC	After	

## **SECTION 7: Incompatibilities**

Please list all incompatibilities (if any): Strong Oxidizers

## **SECTION 8: Material Producer's Certification**

The information contained herein is based on $\square$ generator knowledge and/or $\bowtie$ analytical data. I hereby certify that the above and
attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful
omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials
tested are representative of all materials described by this document.
Authorized Signature: None regnires product Date:

Printed Name/Title:	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Technical Manager: Loly Hank	
Date: 9-9-08 Approved Rejected	
Approval Number: 2981	

# PROCESS FACILITY INFORMATION (CES USE ONLY!!)

1.	Base Pricing (including freight):
	Pay \$0.15/gal FOB CES
	Pay \$0.15/gal FOB CES No charge /No payment if backhauled by CES
	Pay \$.019/ pound
2.	Contamination Limits (maximum limit before surcharges apply):
	It damages drives are in an overpach and operations determines that too many man hours are needed to recover the materials they where will be no payment.
3.	Surcharge Pricing:
4.	Special Testing Requirements:
	Pull retain sample. Record drum number and quantity on drum inventory and give to product sales.
5.	Treatment and Handling Protocol:
	tither Communicate with product sales person to determine
	Either Communicate with product sales person to determine if material needs to be bulked or sold-as-is. If helds to be bulked, dehead drums and bulk into is a containers, Notify product sals when very tooking Swape drums before Shredding
6.	Treated Wastewater Discharge Subcategory:
	☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



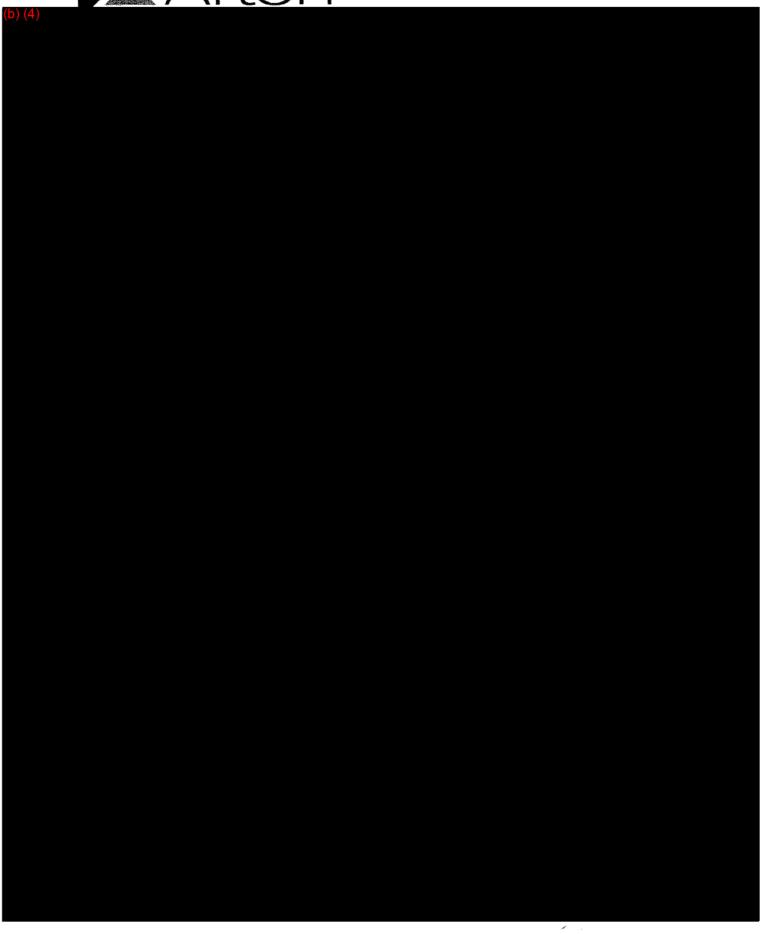
# **PROCESS FACILITY INFORMATION (CES USE ONLY!!)**

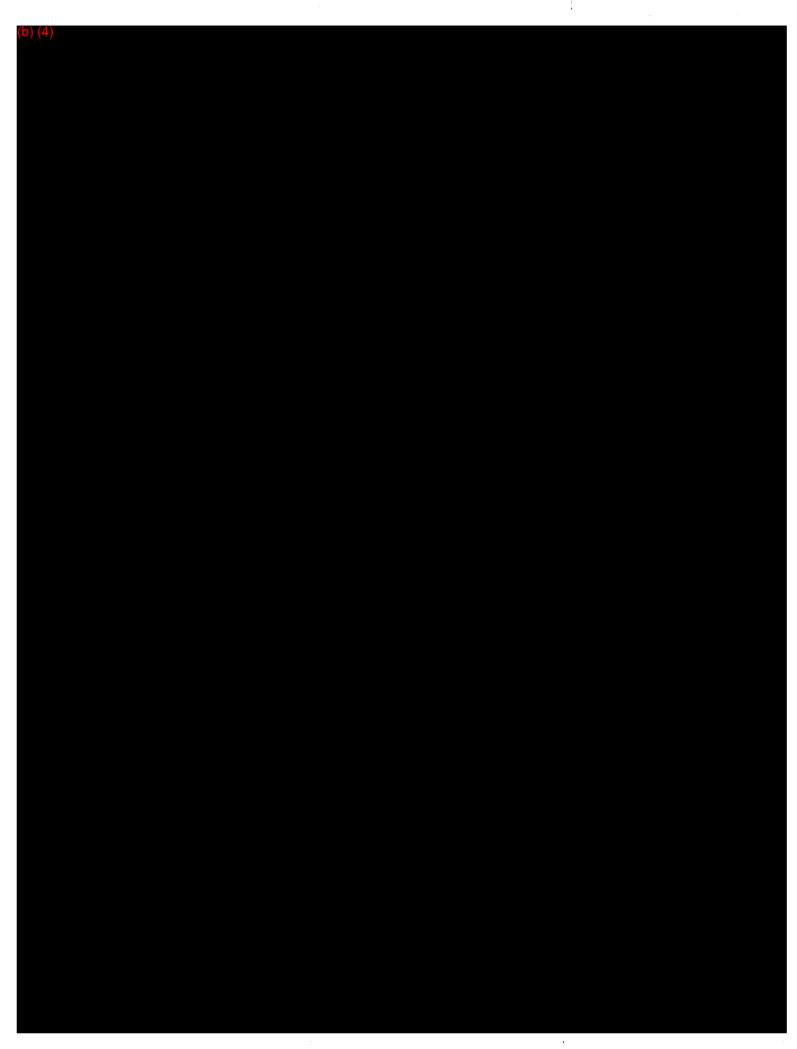
7.	Tests for Prod	luct Reco	ered/Recycled	(if applica	<u>ble):</u>			
	<	See	special	teati	[m			
0			(P) 100					
8.	<u>Management</u>		ct Recovered/R				<u> </u>	
	SPR	tre	adment	and	handling	protoco	rl	

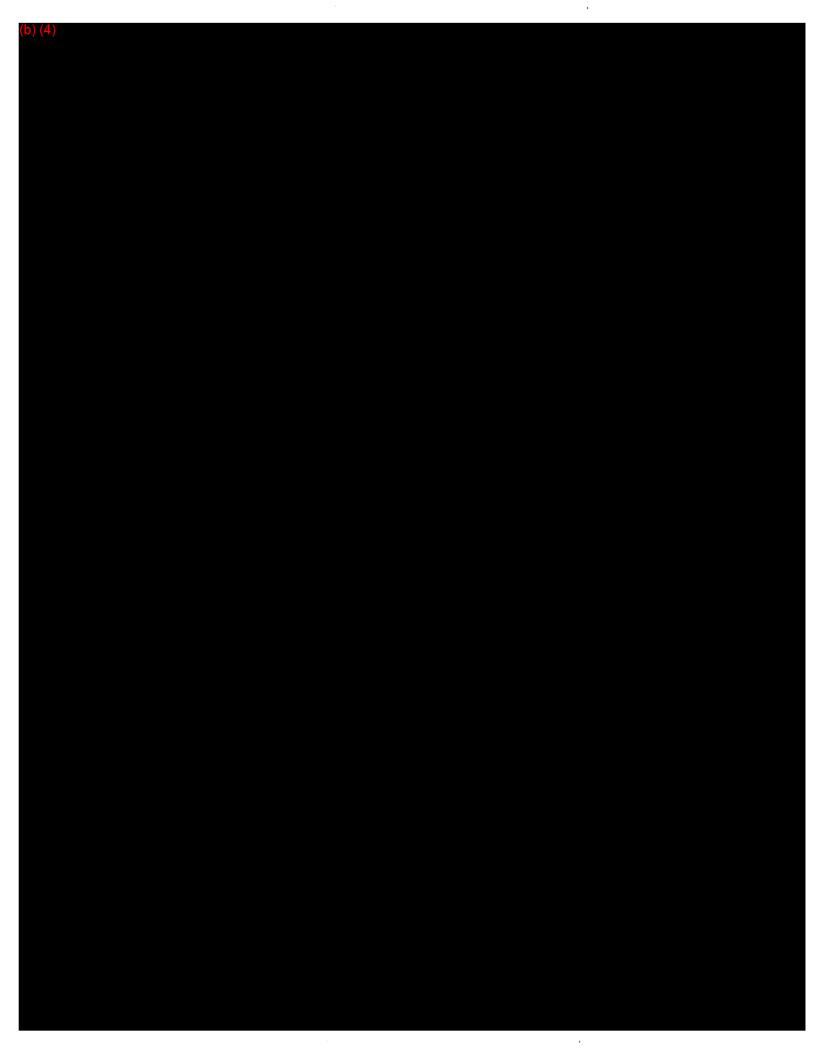
One example

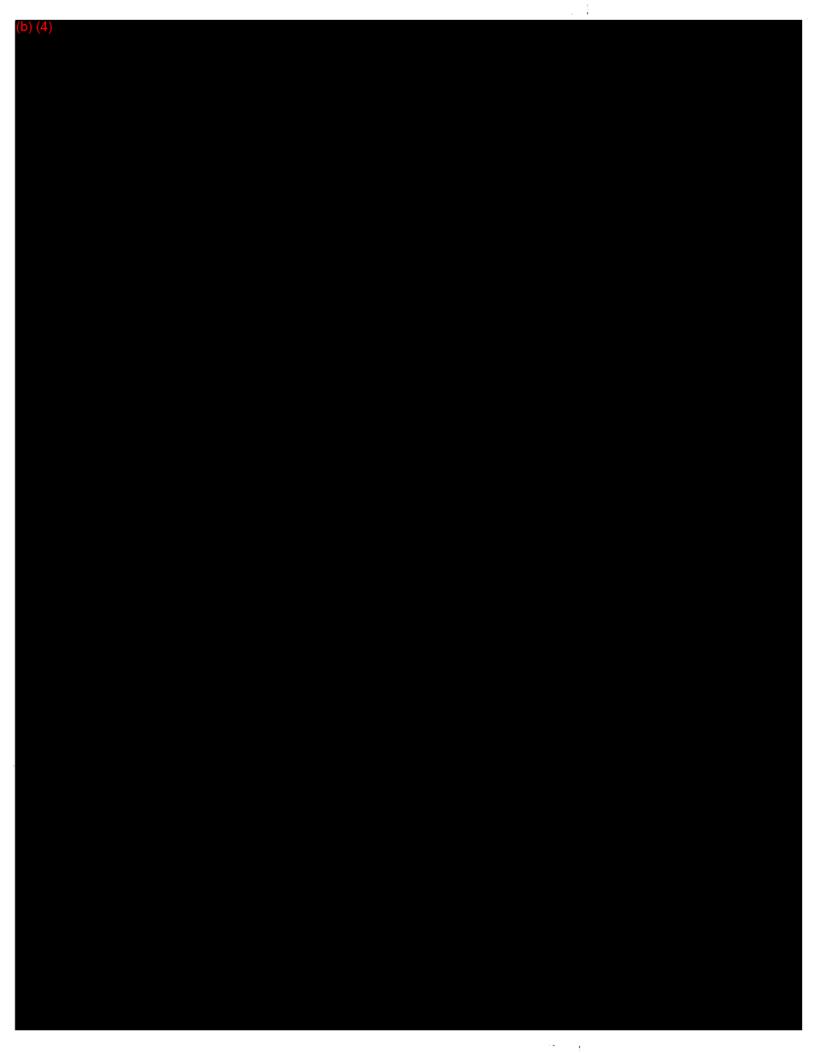


# **Material Safety Data Sheet**











\* \* \* END OF MSDS \* \* \*



# Waste Pre-Acceptance/Approval Letter

Date 9/15/2008

Dear Wes Rodman

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2984

**Expiration Date** 9/15/2010

Generator: Ball Corporation - Ft. Worth

**Address:** 6600 Will Rogers Blvd.

Fort Worth, TX 76140

Waste Information

Name of Waste: Recyclable Used Oil

TCEQ Waste Code #: Recycle

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

used hydraulic and animal oils from the aluminum can making process

Color: light brown

Odor: hydrocarbon pH: na

**Physical State:** 

Incompatibilities: oxidizers

Safety Related Data/Special Handling:

level D PPE

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.





4904 Griggs Road Phone: (713) 676-1460 Houston, TX 77021 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gener	rator info	ormatio	n												
Company :	Ball C	orporat	tion - Ft	. Wortl	n										
Address :	6600 \	Will Ro	gers Bl	vd. All	egiant (	Blobal S	ervices	- 3719	W. 96th S	St					
City, State, Zip:	Fort V	Vorth T	X 7614	0											
Contact :	Marty								_Title:						
Phone No :	(817)	538-62	.67						_Fax :						
24 / HR Phone :	(936)	760-22	.55	·				,,,_							
U.S EPA I.D No :	TXCE	SQ							_						
State I.D :	CESQ	<u> </u>							_SIC Cod	de na	1				
SECTION 2: Billing	g Inform	ation													
Company :	Ball C	orporat	tion - Ft	. Worth	n										
Address :	6600 \	Will Ro	gers Bl	vd. All	egiant (	Slobal S	ervices	- 3719	W. 96th S	St					
City, State, Zip :	Fort W	Vorth T	X 7614	0											
Contact :	Marty								Title:	Re	e-Certific	cation fa	x 317-3	34-205	50 )Ken W
Phone No :					<del>-</del>				Fax:						
SECTION 3: Gener	ral Desci	ription	of the W	/aste											
Name of Waste :	Recyc	lable U	Ised Oil												
Detailed Descrip	tion of	the Pr	ocess	Genera	ating W	aste:									
Used hydraulic oi					•		king pro	cess.							
Physical State :	~	Liquid	d		∭ Slu	ıdge		Po	wder						
	<u></u>	Solid			Filt	er Cake		Co	mbination	3					
Color :		-		Lig	ht Brow	n	Od	or:					None		
Specific Gravity	(Water	=1):_			.9		De	nsity :				7-8.1	2		lbs / gal
Does this material	contain	any to	al phen	olic co	mpound	s?	_ Ye	s	<b>✓</b> No						
Does this material	contain	any pa	ra subs	tituted	phenolic	compo	unds?	i	Yes	[	<b>√</b> No				
ls the Waste subje	ct to the	benze	ne wast	e opera	tion NE	SHAP? (	40 CFR I	Part 61,	Subpart F	F)		Yes	<b>✓</b>	No	
2812 2813	2816	2819	2821	2822	2823	2824	2833	2834	2835	2836	2841	2842	2843	2844	2851
2861 2865	2869	2873	2874	2876	2879	2891	2892	2893	2896	2899	2911	3312	4953	4959	9511
Layers :	<b>~</b>	Singl	le-Phas		Mu	lti-Phas	se								
Container Type :		Drum	1		Γote	<b>V</b>	Truck		Other (e	xplai	n)	·····			
Container Size :		5000													
Number Of Units	s:	1													
Is this a USEPA "  If "Yes", then p			•					<b>Yes</b> on <i>s</i> titue	✓ No		d hereto				
Tf "Voe" is it.	DOOS		בחחם [		DUUS										

Character istic for Toxic i	D008		009		0011			
Characteristics for Toxic		_			7011			
			_			<del> </del>		
Is this an "F" or "K" Liste		r	Yes	✓ No				<del></del>
If "Yes", then please	list ALL applicable C	odes:						
Is this a commercial proceed 261.33(e) or (f)?	duct or spill cleanup	that wou	ıld carry a "U" oı	"P" was	te code under 40	CFR 🗌 Y	res 🗸 N	0
If "Yes", then please	list ALL applicable o	codes:						
Texas State Waste Code	∍ No :	Recycle						
Proper U.S. State Waste	Code No :			Recy	rclable Used Oil			
Class: na	UN/NA:	na	_	PG:	na		RQ :	na
Flash Point	рН		Reactive Sulf	ides	Reactive Cya	nides	Solids	<del></del>
>200	na	_	0	mg/l	0	mg/l	0-15	%
Oil and Grease	TOC		Zinc		Copper		Nickel	
>70000 mg/	na na	mg/l	0	mg/l	0	mg/i	0	mg/l
DECTION 4. Physical and C	N			_				
SECTION 4: Physical and C	COMPONENTS	TABLE				oncentration		
The material	product consists			100 miles	\$200 mg (\$200 mg)	s are accept		nits or %
	Used O			*		100		%
								1
								l l
								ļ
	*- <u>-</u>							
SECTION 5: Safety Related	Data							
If the handling of this wa	aste requires the u	se of spe	cial protective	equipme	nt, please expla	in.		
Level D PPE								
SECTION 6: Attached Supp								
<b>List all documents, note</b> None. Sample to CES	s, data, and/or ana	ilysis atta	ched to this for	m as pa	rt of the waste a	pproval pac	kage.	
None. Sample to CLS								
SECTION 7: Incompatibilitie	es							
Please list all incompati	bilities (if any):	*******						
Oxidizers								
SECTION 8: Generator's Kr								
Laboratory analysis of the following generators kno		e charact	teristics, listed	below, W	AS NOT PERFO	RMED base	ed upon the	
TCLP Metals :	<u>x</u>							
TCLP Volatilies :	<u>x</u>							
TCLP Semi-Volatiles :	<u>x</u>							
Reactivity :	<u>x</u>							
			2					

Ignita	bility: <u>x</u>
SECTI	ON 9: Waste Receipt Classification Under 40 CFR 437
Is this	material a wastewater or wastewater sludge ? YES V NO
If 'YES	S', complete this section
PLEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE
Matal	s Subcategory: Subpart A
	Spent electroplating baths and/or sludges
	Metal finishing rinse water and sludges
	Chromate wastes
	Air pollution control blow down water and sludges
	Spent anodizing solutions
	Incineration wastewaters
	Waste liquid mercury
	Cyanide-containing wastes greater than 136 mg/l
	Waste acids and bases with or without metals
	Cleaning, rinsing, and surface preparation solutions from electroplating or phospha
	Vibratory deburring wastewater
	Alkaline and acid solutions used to clean metal parts or equipment
Oils S	ubcategory: Subpart B
	Used oils
	Oil-water emulsions or mixtures
	Lubricants
	Coolants
	Contaminated groundwater clean-up from petroleum sources
	Used petroleum products
	Oil spill clean-up
	Bilge water
	Rinse/wash waters from petroleum sources
	Interceptor wastes
	Off-specification fuels
	Underground storage remediation wastes
	Tank clean-out from petroleum or oily sources
	Non-contact used glycols
	Aqueous and oil mixtures from parts cleaning operations
	Wastewater from oil bearing paint washes
Organ	ics Subcategory Subpart C
	Landfill leachate
	Contaminated groundwater clean-up from non-petroleum sources
	Solvent-bering wastes
	Off-specification organic product
	Still bottoms
	Byproduct waste glycol
	Wastewater from paint washes
	Wastewater from adhesive and/or epoxies formulation
	Wastewater from organic chemical product operations

Corrosivity:

<u>x</u>

<ul> <li>(1) If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory</li> <li>(2) If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess of the values listed below, the waste should be classified in the metals subcategory</li> <li>Cadmium: 0.2 mg/L</li> <li>Chromium: 8.9 mg/L</li> <li>Copper: 4.9 mg/L</li> </ul>	
excess of the values listed below, the waste should be classified in the metals subcategory  Cadmium: 0.2 mg/L  Chromium: 8.9 mg/L	
Chromium: 8.9 mg/L	
Nickel: 37.5 mg/L	
3) If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or nickel above any of the values listed above, the waste should be classified in the organics subcategory.	
☐ Metals Subcatego	
☐ Oils Subcatego	
☐ Organics Subcategory	
SECTION 10: Additional Instruction	
f you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.  SECTION 11: Generator's Certification  The information contained herein is based on generator knowledge and/or analytical data. I hereby cerity that above and attached description is complete and accurate to the best of my knowledge and ability to determine that no	the
leliberate or willful omissions of composition properties exist and that all known or suspected hazards have been lisclosed. I certify that the materials tested are representative of all materials described by this document.	
Authorized Signature : Date :	
Printed Name / Title: not necessary /	
CES USE ONLY (DO NOT WRITE IN THIS SPACE)  Process Facility Information :	
CES USE ONLY (DO NOT WRITETN THIS SPACE)  Process Facility Information:  Pay 50% of platts 6 Oil  Check to see if it can be recycled as base oil	
Pay 50% of platts 6 Oil	

2987 Pet of Houston - Ruppet Measine Depot

4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

pH: neutral

# Waste Pre-Acceptance/Approval Letter

Date 9/15/2008

Dear Roxana Herrera

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2987

**Expiration Date** 9/15/2010

Generator: Port of Houston Authority-Bayport Marine Dept.

Address: 12555 Port Road

Pasadena, TX 77507

Waste Information

Name of Waste: Rinsewater with latex paint

TCEQ Waste Code #: CESQ1131

**Container Type:** 

Detailed Description of Process Generating Waste:

Water based paint and water in the recovery drum

Color: varies

-164-4--

**Physical State:** 

Incompatibilities: none

Safety Related Data/Special Handling:

std

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Odor: mild

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

Lotex-reacts we acids. Cannot go to waste water.



**6**B

4904 Griggs Road, Houston, TX 77021 Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com
TCEQ Industrial Solid Waste Permit Number: 30948

U.S. EPA ID Number: TXD008950461 ISWR Number: 30900

SECTION 1: C	<u>Senerator li</u>	<u>nformation</u>									
Company: [	Port of Hou	ston - Bayport	Terminal								
Address: 1	12555 Port	Road									
City:	Houston			State:	TX	Zip;					77057
Contact: 1	Mike Reilly				Title:						
Phone Numb	er:	281.291.6140	)		Fax Number	:					
24/hr Phone	Number:	281.291.6140	)								
US EPA ID No	į.	TXCESQG			<b>=</b>						
State ID No:		CESQG			SIC Code:	na					
SECTIONS D	illiaa lafaa	matiam [	] <b>:</b>	Aleman	_						
SECTION 2: B Company: P			Same as	4Dove							
, , ,	Ort of House				<del></del>						
-	louston	) <u>Z</u>		Chains	#¥	7:44	777	F2 2F62			
• -				State:	TX Title:	_Zip:		52-2562			
Phone Number	Roxanna He			·				coordina	tor		
Priorie Numbe	er;	713.670.2814			_ Fax Number	/13.6/0	.2421		<del></del>		
SECTION 3: G	eneral Des	cription of the	<u>Waste</u>	÷							
Name of Was		Rinse water w		nt							
Detailed Desc	ription of P	rocess Genera	ting Waste:								
water based p	eint and wa	ater in the reco	very drum								
Physical State		Liquid		Sludge	. 🛚	Powder	ition				
Physical State	:	Liquid Solid		Sludge Filter Cak		Powder Combine	ation				
		• .		<b>.</b>	e 🗍	Combina	ation		•		
		• .		<b>.</b>			ation		,		
	arles	Solid		Filter Cak	e 🗍	Combina		8.34 [b	os/gal		
Color: <u>v</u>	arles ty (water=1	Solid		Filter Cak	e	mild Density:		8.34 lb	os/gal		
Color: <u>v</u>	arles ty (water=1	Solid	enolic comp	Filter Cak	e 🗍	mild Density:		8.34 lb	os/gal		- 14 ·
Color: v. Specific Gravit Does this mat	aries ty (water=1	Solid ): n any total ph		Filter Cak	e	mild  Density:	 No				
Color: v. Specific Gravit Does this mat	aries ty (water=1	Solid		Filter Cak	e	mild Density:		8.34 lb			
Color: v.  Specific Gravit  Does this mat	aries  ty (water=1 erial contai	Solid }: n any total ph n any para sul	ostituted phe	Filter Cak ounds?	e	Combine mild  Pensity:	No Yes	V N	0		No
Color: v.  Specific Gravit  Does this mat  Does this mat	aries  ty (water=1 erial contai erial contai	Solid ): n any total ph n any para sul ne benzene wa	ostituted phe	Filter Cak ounds?	e	Combine mild  Density:  s   G1, Subpar	No Yes	<b>и</b> [	o Yes	· •	No
Specific Gravit  Does this mat  Does this mat  Is the Waste s  Answer "Yes"	aries  ty (water=1 erial contai erial contai subject to ti	Solid ): n any total ph n any para sub ne benzene wa ne contains ber	ostituted phe oste operation ozene AND if	ounds? enolic com n NESHAP the SIC co	e	Combine mild  Density:  s  G1, Subparecility is on	No Yes rt FF)	☑ Ñ [ e followin	o ] Yes	_	
Specific Gravit Does this mat Does this mat is the Waste's Answer "Yes" 2812	aries  ty (water=1 erial contai erial contai subject to ti if your was	Solid  ):  n any total ph  n any para sub  ne benzene wa  se contains ber  2816	ostituted pho iste operatio izene AND if 2819	ounds? enolic com n NESHAP the SIC co 282	e	Combine mild  Density:  5  61, Subparecility is on 2 282	Yes rt FF) e of the	☑ Ñ [ e followin 2824	o Yes	_	2834
Specific Gravit Does this mat Does this mat is the Waste's Answer "Yes" 2812 2835	aries  ty (water=1 erial contai erial contai subject to tl if your wast 2813 2836	solid ): n any total ph n any para sub ne benzene wa te contains ber 2816 2841	ostituted phe iste operatio izene AND if 2819 2842	ounds? enolic com n NESHAP the SIC co 282 284	e	Combination Mild  Density:  5  61, Subparacility is on 2 2824 285	Yes  t FF) e of the	☑ N [ e followin 2824 2861	o Yes ng: 2833 2865	_	2834 2869
Specific Gravit Does this mat Does this mat Is the Waste s Answer "Yes" 2812 2835 2873	aries  ty (water=1 erial contai erial contai subject to tl If your wasi 2813 2836 2874	solid ): n any total ph n any para sul ne benzene wa te contains ber 2816 2841 2876	ostituted phe iste operatio izene AND if 2819 2842 2879	ounds? enolic com n NESHAP the SIC co 282	e	Combination Mild  Density:  5  61, Subparacility is on 2 2824 285	Yes  t FF) e of the	☑ Ñ [ e followin 2824	o Yes	_	2834
Specific Gravit Does this mat Does this mat is the Waste's Answer "Yes" 2812 2835	aries  ty (water=1 erial contai erial contai subject to tl if your wast 2813 2836	solid ): n any total ph n any para sub ne benzene wa te contains ber 2816 2841	ostituted phe iste operatio izene AND if 2819 2842	ounds? enolic com n NESHAP the SIC co 282 284	e	Combination Mild  Density:  5  61, Subparacility is on 2 2824 285	Yes  t FF) e of the	☑ N [ e followin 2824 2861	o Yes ng: 2833 2865	_	2834 2869
Specific Gravit Does this mat Does this mat Is the Waste s Answer "Yes" 2812 2835 2873	aries  ty (water=1 erial contai erial contai subject to ti If your wasi 2813 2836 2874 4953	solid ): n any total ph n any para sul ne benzene wa te contains ber 2816 2841 2876	ostituted phe ste operatio izene AND if 2819 2842 2879 9511	ounds? enolic com n NESHAP the SIC co 282 284	e	Combine mild  Density:  5  61, Subparacility is on 2 2824 285	Yes  t FF) e of the	☑ N [ e followin 2824 2861	o Yes ng: 2833 2865	_	2834 2869
Specific Gravit Does this mat Does this mat Is the Waste's Answer "Yes" 2812 2835 2873 3312	aries  ty (water=1 erial contai erial contai subject to ti if your wasi 2813 2836 2874 4953  Sing	solid ): n any total ph n any para sul ne benzene wa te contains ber 2816 2841 2876 4959	iste operation izene AND if 2819 2842 2879 9511	ounds? enolic com n NESHAP the SIC co 282: 284: 289:	e	Density:  5  61, Subparacility is on 2 282 4 285 2 285	Yes  t FF) e of the	☑ N [ e followin 2824 2861	o Yes ng: 2833 2865	_	2834 2869
Specific Gravit Does this mat Does this mat Is the Waste's Answer "Yes" 2812 2835 2873 3312 Layers: Container Typ	aries  ty (water=1 erial contai erial contai subject to tl if your wasi 2813 2836 2874 4953  Sing	solid  ):  n any total ph n any para sub ne benzene wa te contains ber 2816 2841 2876 4959  le-phase	ostituted phe ste operation izene AND if 2819 2842 2879 9511 Multi	ounds? enolic com n NESHAP the SIC co 282: 284: 289: -phäse	e	Density:  5  61, Subparacility is on 2 282 4 285 2 285	Yes  t FF) e of the	☑ N [ e followin 2824 2861	o Yes ng: 2833 2865	_	2834 2869
Specific Gravit Does this mat Does this mat Is the Waste's Answer "Yes" 2812 2835 2873 3312  Layers: Container Typ	aries  ty (water=1 erial contai erial contai subject to tl if your wasi 2813 2836 2874 4953  Sing	solid  ):  n any total ph n any para sub ne benzene wa te contains ber 2816 2841 2876 4959  le-phase	ostituted phe ste operation izene AND if 2819 2842 2879 9511 Multi	ounds? enolic com n NESHAP the SIC co 282: 284: 289: -phäse	e	Density:  5  61, Subparacility is on 2 282 4 285 2 285	Yes  t FF) e of the	☑ N [ e followin 2824 2861	o Yes ng: 2833 2865	_	2834 2869

	USEPA "Hazardo", then please con				☐ Ye ardous Constitue		No ached hereto		
	", Is it:		☐ D004 ☐ D010	D01.	5 □ D006 1	D003 (Rea D007		D00Q	<b>)</b> .
	ı "F" or "K" Liste ", then please li			e? <sup>:</sup>	Yes	· 2	No		
40 CFR 2	commercial pro 61.33(e) or (f)? ", then please li		<u></u> ν		a "U" or "P" wa ] No	aste code ur	oder		
Texas Sta	ite Waste Code	Number:		CESQ1131		···			
	S DOT Shipping		Non RCRA		gulated materia		Latex paint	)	
Class:	na	_UN/NA:	<u>"na</u>	_PG:	na	_RQ:	na		
Fi	ash Point		эн	React	ive Sulfides	Reactive	Cyanides	So	lids
	>140 200	ne	utral	0	mg/l	0	mg/l	1	%
Oil	& Grease	T	OC .		Zinc	Cor	per	Nic	kel
.0	<u>mg/i</u>	10000	mg/l	0	<u>mg/l</u>	0.	mg/l	.0	mg/l
SECTION	4: Physical and	Chemical Dat	a						
	CON	IPONENTS TA	ABLE			CONCENT	RATOIN		UNITS
		IPONENTS TA	ABLE	als		Ranges are a	cceptable		or%
	CON	IPONENTS TA ists of the foll Latex paint	ABLE	als		Ranges are a	cceptable		or %
	CON	IPONENTS TA ists of the foll latex paint water	ABLE	als		Ranges are a 1-5 90-9	icceptable 5 99		or % % %
	CON	IPONENTS TA ists of the foll Latex paint	ABLE	als		Ranges are a	icceptable 5 99		or %
	CON	IPONENTS TA ists of the foll latex paint water	ABLE	als		Ranges are a 1-5 90-9	icceptable 5 99		or % % %
	CON	IPONENTS TA ists of the foll latex paint water	ABLE	als		Ranges are a 1-5 90-9	icceptable 5 99		or % % %
	CON	IPONENTS TA ists of the foll latex paint water	ABLE	àls		Ranges are a 1-5 90-9	icceptable 5 99		or % % %
	CON	IPONENTS TA ists of the foll latex paint water	ABLE	als		Ranges are a 1-5 90-9	icceptable 5 99		or % % %
	CON	IPONENTS TA ists of the foll latex paint water	ABLE	als		Ranges are a 1-5 90-9	icceptable 5 99		or % % %
	CON	IPONENTS TA ists of the foll latex paint water	ABLE	àls		Ranges are a 1-5 90-9	icceptable 5 99		or % % %
	CON	IPONENTS TA ists of the foll latex paint water	ABLE	àls		Ranges are a 1-5 90-9	icceptable 5 99		or % % %
	CON	IPONENTS TA ists of the foll latex paint water	ABLE	àls		Ranges are a 1-5 90-9	icceptable 5 99		or % % %
	CON	IPONENTS TA ists of the foll latex paint water	ABLE	àls		Ranges are a 1-5 90-9	icceptable 5 99		or % % %
	CON	IPONENTS TA ists of the foll latex paint water	ABLE	als		Ranges are a 1-5 90-9	icceptable 5 99		or % % %
	CON	IPONENTS TA ists of the foll latex paint water	ABLE	àls		Ranges are a 1-5 90-9	icceptable 5 99		or % % %
	CON	IPONENTS TA ists of the foll latex paint water	ABLE	àls		Ranges are a 1-5 90-9	icceptable 5 99		or % % %
	CON	IPONENTS TA ists of the foll latex paint water	ABLE	àls		Ranges are a 1-5 90-9	icceptable 5 99		or % % %
	CON	IPONENTS TA ists of the foll latex paint water	ABLE	àls		Ranges are a 1-5 90-9	icceptable 5 99		or % % %

SECTION 5: Safe		
If the handling of this waste requires the use of special protective equipment, please explain.		
Standard		
	,	
SECTION 6: Atta	ched Supporting Documents	
	s, notes, data and/or analysis attached to this form as part of the waste	
approval package		
,, ,		
SECTION 7: Inco		
	compatibilities (if any):	
None Known		
<u> </u>		
SECTION 8: Gene	erator's Knowledge Documentation	
	is of the hazardous waste characteristics, listed below, WAS NOT PERFORMED	
	ollowing generator knowledge:	
TCLP Metals:	X	
TCLP Volatiles:	×	
TCLP Semi-Volatil	es: <u>x</u>	
Reactivity:	X	
Corrosivity:	X	
Ignitability:	X	
SECTION OF Marks	Receipt Classification Under 40 CFR 437 (Prtaining to Pre-Treatment Requirements for Centralized Waste Treatment	
Facilities)	Receipt Classification Officer 40 CFR 437 (Fricating to Pre-Treatment Requirements for Centralized Waste Treatment	
	material a wastewater or wastewater sludge?	
ľ	f 'Yes', complete this section.	
DIEA	SE CHECK THE APPROPRIATE BOX: IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.	
(.rrid.	E CHECK THE AFTROPHIATE BOX. IF NO AFFROPRIATE CATEGORY, GO TO THE NEXT FAGE.	
Metals Subcategor	y: Subpart A	
	electroplating baths and/or sludges	
	l finishing rinse water and sludges nate wastes	
=	nate wastes Illution control blow down water and sludges	
	anodizing solutions	
=	ration wastewaters	
	e liquid mercury	
	de-containing wastes greater than 136 mg/l e acids and bases with or without metals	
	ing, rinsing, and surface preparation solutions from electroplating or phosphating operations	
	tory deburring wastewater	
Alkalii	ne and acid solutions used to clean metal parts or equipment	
Oils Subcategory : S	Subnari B	
Used		
☐ Oil-wa	ater emulsions or mixtures	
Lubric		
Coola	nts minated groundwater clean-up from petroleum sources	
	minated groundwater clean-up from petroleum sources petroleum products	
	ill clean-up	
☐ Bilge v	water	
Rinse/	wash waters from petroleum sources	

☐ Interceptor wastes
Off-specification fuels
Underground storage remediation waste
Tank clean-out from petroleum or olly sources
☐ Non-contact used glycols
Aqueous and oil mixtures from parts cleaning operations  Wastewater from oil bearing paint washes
<u>Organics Subcategory</u> : Subpart C
Landfill leachate
Contaminated groundwater clean-up from non-petroleum sources
Solvent-bearing wastes
☐ Off-specification organic product
Still bottoms
Byproduct waste glycol
☐ Wastewater from paint washes ☐ Wastewater from adhesives and/or epoxies formulation
Wastewater from organic chemical product operations
Tank clean-out from organic, non-petroleum sources
(1)
If the waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
-
(2)
If the waste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in
excess of the values listed below, the waste should be classified in the metals subcategory.
Cadmium: 0.2 mg/L
Chromium: 8.9 mg/L
Copper: 4.9 mg/L
Nickel: 37.5 mg/L
If the waste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper,
or nickel above any of the values listed above, the waste should be classified in the organics subcategory.
Metals Subcategory
Oils Subcategory
✓ Organics Subcategory
SECTION 10 Additional Instructions
f you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium,
Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This
will be prior to acceptance. The generator will be responsible for the cost of the analysis.
and a protect of the generator will be responsible to the cost of the shellysis.
SECTION 11: Generator's Certification
The information contained herein is based on
hereby certify that the above and attached description is complete and accurate to the best of
my knowledge and ability to determine that no deliberate or willful omissions of compostion
properties exist and that all known or suspected hazards have been disclosed. I certify that the
naterials tested are representative of all materials described by this document.
9-13-08
Authorized Signature: Date: 1-10-08
Printed Name/Title: Roxana Herren, Program Coordinator
Printed Name/Title: Koxava Herren, rogusu Coadinator
EES USE ONLY (DO NOT WRITE IN THIS SPACE)
$\Omega \leftarrow \Omega \leftarrow 1$
Compliance Officer: Bubble Royal
Date: 9-15-08' Approved Rejected
Approval Number: 2987



1. Base Pricing (including freight):
\$75/ drum +trans + fsc
2. Contamination Limit (maximum limit before surchages apply):
3. Surcharge Pricing:
4. Special Testing Requirements:
pH, Flash point; acidity to see if the material forms polymerized rubber latex balls,
5. Treatment and Handling Protocol:
waste water-treatment this material solidifies and forms rubber polymer when in contact with acidic materials. Process to system 1 if the floor point is OK.
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☑ Subcategory C



7. Tests for Product Recovered/Recyc	cled (if applicable):	
	,	
8. Management for Product Recovere	ed/Recycled (if applicable)	

## MATERIAL SAFETY DATA SHEET FOR COATINGS, RESINS & RELATED MATERIALS

# SECTION 1

### PRODUCT IDENTIFICATION

Manufacturer:

Ennis Paint, Inc.

Information Ph:

800-331-8118

P.O. Box 404

Emergency Ph:

800-424-9300

Ennis, Texas 75120

Revised: 12/20/06

Product Class:

High Solids Waterborne

Trade Name:

**Ennis Paint** 

Lead Free Fast Dry Traffic Paint - APPLIES TO ALL COLORS HAZARD RATINGS: Нтн

C.A.S. Number:

N/A - Mixture

None-Extreme 0 - 4

FIRE 1 REACTIVITY 0

1

VOC:

< 150 G/L

Specific Gravity: 1.6-1.7

PERSONAL PROTECTION 0

### SECTION II HAZARDOUS INGREDIENTS

WEIGHT Exposure Limits					VP		
INGREDIENTS	CAS#	%	ACGIH	/TLV	OSHA	/PEL	mm HG
Methanol	67-56-1	2.5 MAX STEL =	200	ppm		ppm ppm	97.7 @ 68F

### SECTION III PHYSICAL DATA

**BOILING RANGE:** 

147-477°F

VAPOR DENSITY:

Heavier than Air.

**EVAPORATION RATE:** 

0.45 x n-Butyl Acetate

LIQUID DENSITY:

1.5-1.7 kg/l @ 20°C

APPEARANCE:

Heavy Liquid

V.O.C.

**VOLATILES:** 

< 150 g/l / 1.3 lbs/gal

VOL % 38-40% WGT % 20-25%

### SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASS:

FLASHPOINT

TCC LEL:

UEL:

Not Flammable

**ASTM D 3278: ASTM D 93:** 

>201°F N/A >201°F

N/A

**EXTINGUISHING MEDIA:** 

NONE

SPECIAL FIREFIGHTING PROCEDURES:

NONE

UNUSUAL FIRE & EXPLOSION HAZARDS:

- KEEP CONTAINERS TIGHTLY CLOSED.
- ISOLATE FROM HEAT. SPARKS AND OPEN FLAME.
- CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.
- THIS MATERIAL WILL NOT BURN UNTIL THE WATER HAS EVAPORATED. DRIED RESIDUE CAN BURN.
- IN A TEST "EVALUATION OF THE FIRE HAZARD OF WATER-BORNE COATINGS" (FACTORY MUTUAL RESEARCH CORPORATION SCIENTIFIC CIRCULAR 804 DECEMBER 1977), FOUR WATER-BORNE COATINGS "PRESENTED NO [FIRE] "IT WAS ALSO CONCLUDED THAT RESULTS OBTAINED FROM LABORATORY [FLASH POINT] TESTS ARE NOT REPRESENTATIVE INDICATION OF THE FIRE HAZARD OF WATER-BORNE COATINGS".

### SECTION V HEALTH HAZARD DATA

#### PERMISSIBLE EXPOSURE LEVEL:

SEE SECTION II FOR INFORMATION ABOUT INDIVIDUAL INGREDIENTS.

#### **EFFECTS OF OVEREXPOSURE:**

- SEVERE EYE IRRITATION.
- HEADACHES, DIZZINESS AND/OR NAUSEA. SKIN CONTACT MAY CAUSE IRRITATION OR RASH.
- SKIN ABSORPTION MAY POTENTIALLY CONTRIBUTE TO THE OVERALL EXPOSURE OF METHANOL. APPROPRIATE MEASURES SHOULD BE TAKEN TO PREVENT ABSORPTION SO THAT THE TLV IS ALWAYS MET.
- NIOSH RECOMMENDS A LIMIT OF 200 ppm, 8-HOUR TWA; 800 ppm 15-MINUTE CEILING FOR METHANOL.
- OVEREXPOSURE TO METHANOL (OR ITS COMPONENTS) HAS BEEN SUGGESTED AS A CAUSE OF EYE DAMAGE IN HUMANS.

#### FIRST AID:

- EYES: FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES, LIFTING UPPER AND LOWER LIDS OCCASIONALLY. GET IMMEDIATE MEDICAL ATTENTION.
- SKIN: WASH EXPOSED AREAS WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. IF IRRITATION OCCURS, GET MEDICAL ATTENTION.
- INHALATION: MOVE VICTIM AWAY FROM SOURCE OF EXPOSURE AND INTO FRESH AIR. IF SYMPTOMS OF EXPOSURE DEVELOP, GET MEDICAL ATTENTION.

### SECTION VI REACTIVITY DATA

STABILITY:

**□** UNSTABLE

**☑ STABLE** 

HAZARDOUS POLYMERIZATION:

■ MAY OCCUR

**☑** WILL NOT OCCUR

INCOMPATIBILITY:

N/A N/A

CONDITIONS TO AVOID: N

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO<sub>2</sub>

# SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

- COLLECT IN A RETAINING AREA OR CLOSED CONTAINER IF POSSIBLE, AVOID EXCESS DILUTION WITH WATER.
- MATERIAL MAY BE CONTAINED WITH AN ABSORBENT MATERIAL THEN TRANSFERRED TO AN APPROPRIATE CONTAINER.
- AVOID EXPOSURE TO HEAT, SPARKS, FIRE OR OPEN FLAME.
- AVOID HOT METAL SURFACES.

### WASTE DISPOSAL METHOD:

- DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.
- AVOID DISCHARGE INTO NATURAL WATERS.

# SECTION VIII SPECIAL PROTECTION INFORMATION

#### **RESPIRATORY PROTECTION:**

 WEAR APPROPRIATE, PROPERLY FITTED RESPIRATOR (NIOSH/MSHA APPROVED) DURING SPRAYING APPLICATION TO PROTECT AGAINST OVERSPRAY.

#### **VENTILATION:**

- ADEQUATE VENTILATION IS NECESSARY WHEN SPRAYING OR MIXING AND EXHAUST WITH PROPER AIRFLOW IS ALWAYS RECOMMENDED.
- AVOID ANY DIRECT INHALATION OF SPRAY MIST IF THIS PRODUCT IS SPRAYED.

#### PROTECTION GLOVES:

RECOMMENDED

#### **EYE PROTECTION:**

CLOSE FITTING SAFETY GOGGLES.

#### OTHER PROTECTIVE EQUIPMENT:

- MAY ADHERE TO SKIN GLOVES, LONG SLEEVES, HATS AND FACE SHIELDS ARE RECOMMENDED.
- PROTECTIVE CREAMS MAY HELP, BUT ARE NOT AS PROTECTIVE AS GLOVES, ETC.
- TRAIN AND EDUCATE EMPLOYEES IN THE SAFE USE OF THE PRODUCT.

# SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

PROTECT FROM FREEZING

# SECTION X ECOLOGICAL INFORMATION

**ECOTOXICITY:** FISH: FATHEAD MINNOW: 96 HR; LC50 = >750 mg/L

**OTHER:** NO OTHER INFORMATION IS AVAILABLE

# SECTION XI ADDITIONAL REGULATORY INFORMATION

THIS PRODUCT IS NOT REGULATED BY D.O.T. WHEN SHIPPED DOMESTICALLY BY LAND.

### SARA TITLE III SECTION 313:

THIS PRODUCT CONTAINS THE FOLLOWING TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT TO KNOW ACT OF 1986 AND OF 40 CFR 372:

CAS# CHEMICAL NAME PERCENT BY WEIGHT
67-56-1 METHANOL 2.5 MAX

PROP 65 (CARCINOGEN):

<u>WARNING</u>: THIS PRODUCT CONTAINS A CHEMICAL KNOW TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

CAS# CHEMICAL NAME PERCENT BY WEIGHT
NONE

PROP 65 (TERATOGEN):

<u>WARNING</u>: THIS PRODUCT CONTAINS A CHEMICAL KNOW TO THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

CAS# CHEMICAL NAME PERCENT BY WEIGHT
NONE

PROP 65 (BOTH CARCINOGEN AND TERATOGEN):

Page: 3

<u>WARNING</u>: THIS PRODUCT CONTAINS A CHEMICAL KNOW TO THE STATE OF CALIFORNIA TO CAUSE CANCER OR BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

CAS# CHEMICAL NAME PERCENT BY WEIGHT

NONE

### TSCA-U.S. TOXIC SUBSTANCES CONTROL ACT:

ALL COMPONENTS OF THIS MIXTURE ARE IN COMPLIANCE WITH THE INVENTORY LISTING REQUIREMENTS OF THE U.S. TOXIC SUBSTANCES CONTROL ACT (TSCA) CHEMICAL SUBSTANCES INVENTORY.

# SECTION XII MISCELLANEOUS INFORMATION

THE INFORMATION OFFERED HEREIN IS, TO THE BEST OF OUR KNOWLEDGE, TRUE AND ACCURATE, BUT ALL RECOMMENDATIONS ARE MADE WITHOUT WARRANTY, EXPRESS OR IMPLIED, SINCE THE CONDITIONS OF USE ARE BEYOND OUR CONTROL, NEITHER ENNIS PAINT, INC., NOR ITS AGENTS SHALL BE LIABLE FOR ANY INJURY, LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING FROM THE USE OR THE INABILITY TO USE THE PRODUCT DESCRIBED HEREIN. NO PERSON IS AUTHORIZED TO MAKE ANY STATEMENT OR RECOMMENDATION NOT CONTAINED IN THE MATERIAL DATA SHEET, AND ANY SUCH STATEMENT OR RECOMMENDATION, IF MADE SHALL NOT BIND THE CORPORATION.

drums | Port of Hondon 98% uete Baspons 2% paint 2988 Safety Railway Somices

7 E 4-09 8-4-09 1 AD



4904 Griggs Road Houston TX 77021 Tel. (713) 676-1460 Fax. (713) 676-1460

**pH:** 1-2

# Waste Pre-Acceptance/Approval Letter

Date 9/16/2008

Dear Lawrence Horan

Thank you for choosing CES Environmental Services, Inc. for you waste disposal and/or recycling needs. The following waste stream has been approved at our facility in Houston, TX. If the waste received does not conform to the profile, then rejection or additional charges may apply.

CES Profile # 2988

**Expiration Date** 9/16/2010

Generator: Safety Railway Services

Address: Hwy 59 S. Aloe Field Whse Road

Victoria, TX 77902

Waste Information

Name of Waste: Acidic washwater TCEO Waste Code #: 0014119H

**Container Type:** 

**Detailed Description of Process Generating Waste:** 

Railcar product washout of sulfuric acid

Color: clear/brownish Odor: none

Color: clear/brownish Physical State:

Incompatibilities: organics

Safety Related Data/Special Handling:

level D

If you have any questions concerning this approval and/or the conditions, then please feel free to contact our office at (713) 676-1460.

Thank you,

Matt Bowman, President

CES Environmental Services, Inc.

OK-Special Gendling P

# CES Environmental Services, Inc.

4904 Griggs Road

Houston, TX 77021

G B

Phone: (713) 676-1460 Fax: (713) 676-1676

http://www.cesenvironmental.com

TCEQ Industrial Solid Waste Permit No: 30948 U.S. EPA ID No: TXD008950461 ISWR No: 30900

SECTION 1: Gene	erator Information			
Сопрапу:	Safety Railway Se	ervices		
Address:	Hwy 59 S Aloe Fi			
City, State, Zip:	Victoria, TX 7790	)2		
Contact:	Orlo Brooks		Title:	Env. Manager
Phone No:	361.276.2141		Fax No:	
24/hr Phone:	210.525.2524			
U.S. EPA I.D. No:	TXD063071393			
State I.D.	31767		SIC Code:	
SECTION 2: Billin	ng Information -	Same as Above		
Company:	Responsive Environ			
Address:	PO Box			
City, State, Zip:	New Braunfels, TX			
Contact:	Larence Horan	Title:	Dunen	
Phone No:	(210) 281-971	/ Fax N	o: <u>(210) 781</u> -	-9731
Name of Waste: A	ral Description of the cidic Washwater n of Process General		duct Washout 66	hulfung Acid -
Physical State:	∠ Liquid     ✓ Solid	☐ Sludge ☐ Filter Cake	Powder Combinatio	on .
Color: <u>Clear/Brown</u>	ish (	Odor: None		
Specific Gravity (w	ater=1): <u>1</u>	Density: 8 lbs/gal		
Layers:	⊠ Single-phase	Multi-phas	e	
Container Type:	Drum	☐ Tote	⊠ Truck	Other (explain)
Container Size:			5000G Tankie	
Frequency:	☐ Weekly	☐ Monthly	Quarterly	
• •		_	Quarterly	2 10213
Number of Units (c	a , ,,	Other:		,
Texas State Waste	_ <u></u>	014/194		(RURA DOOZ)
Proper U.S. DOT \$	hipping Name:	Corrosive Liquid	ls, acidoc, inorganic,	, n.o.s.
Class: 8	UN (A)	un3244	PG: III	RQ: 100p
Flash Point	pH	Reactive Sulfides	Reactive C	yanides Solids
200	1-2-	Omg/l	Omg/l	<2%
Oil&Grease	TOC	Zinc	Copper	Nickel
ma/l	mg/i	Omg/I	Omg/I	Omg/)

1

1879182012

67:71 8002/11/60

**SE2** 

### SECTION 4: Physical and Chemical Data

The waste consists of the following materials	Ranges are acceptable	Units or %
Water	95	%
Sulfuric Acid	1-3	%
dirt	0-9	%
Sodium Hydroxide Salts-Neutralizing Agent	1-2	%

### SECTION 5: Safety Related Data

If the handling of this waste requires the use of special protective equipment, please explain. Level  $\underline{D}$ 

### SECTION 6: Attached Supporting Documents

List all documents, notes, data, and/or analysis attached to this form as part of the waste approval package. None

### **SECTION 7: Incompatibilities**

Please list all incompatibilities (if any): organics

### SECTION 8: Generator's Knowledge Documentation

Laboratory analysis of the hazardous waste characteristics, listed below, WAS NOT PERFORMED based upon the following generator knowledge:

TCLP Metals;	<u>X</u>
TCLP Volatiles:	<u> </u>
TCLP Semi-Volatiles:	X
Reactivity:	<u>X</u>
Corrosivity:	<u>X</u>
Ignitability:	<u>X</u>

### SECTION 9: Generator's Certification

The information contained herein is based on  $\boxtimes$  generator knowledge and/or  $\square$  analytical data. I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all materials described by this document.

Authorized Signature: Cutte Euce.  Printed Name/Title: Project Phanagen	Date: 4-11-02
CES USE ONLY (DO NOT WRITE IN THIS SPACE)	
Compliance Officer: Leben Thyd	Additional Information:
Date: 9-16-08 Approved Rejected	
Approval Number: 2988	

SE	CTION 10: Waste Receipt Classification Under 40 CFR 437
Ts 1	this material a wastewater or wastewater sludge?   YES  NO
lf '	Yes', complete this section.
PL	EASE CHECK THE APPROPRIATE BOX. IF NO APPROPRIATE CATEGORY, GO TO THE NEXT PAGE.
<u>Meta</u>	ls Subcategory: Subpart A
	Spent electroplating baths and/or sludges Metal finishing rinse water and sludges Chromate wastes Air pollution control blow down water and sludges Spent anodizing solutions Incineration wastewaters Waste liquid mercury Cyanide-containing wastes greater than 136 mg/l Waste acids and bases with or without metals Cleaning, rinsing, and surface preparation solutions from electroplating or phosphating operations Vibratory deburring wastewater Alkaline and acid solutions used to clean metal parts or equipment
Oits S	Subcategory: Subpart B
	Used oils Oil-water emulsions or mixtures Lubricants Coolants Contaminated groundwater clean-up from petroleum sources Used petroleum products Oil spill clean-up Bilge water Rinse/wash waters from petroleum sources Interceptor wastes Off-specification fuels Underground storage remediation waste Tank clean-out from petroleum or oily sources Non-contact used glycols Aqueous and oil mixtures from parts cleaning operations Wastewater from oil bearing paint washes
<u>Organ</u>	nics Subcategory: Subpart C
	Landfill leachate Contaminated groundwater clean-up from non-petroleum sources Solvent-bearing wastes Off-specification organic product Still bottoms Byproduct waste glycol Wastewater from paint washes Wastewater from adhesives and/or epoxies formulation Wastewater from organic chemical product operations Tank clean-out from organic, non-petroleum sources

3

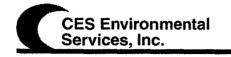
(1)	If the v	waste contains oil and grease at or in excess of 100 mg/L, the waste should be classified in the oils subcategory.
(2)		vaste contains oil and grease less than 100 mg/L, and has any of the pollutants listed below in concentrations in excess values listed below, the waste should be classified in the metals subcategory.
	Chrom Coppe	um: 0.2 mg/L ium: 8.9 mg/L r: 4.9 mg/L : 37.5 mg/L
(3)		vaste contains oil and grease less than 100 mg/L, and does not have concentrations of cadmium, chromium, copper, or above any of the values listed above, the waste should be classified in the organics subcategory.
		Metals Subcategory
		Oils Subcategory
		Organics Subcategory

### SECTION 11: Additional Instructions

If you cannot determine the correct subcategory in Section 9 and you did not furnish data for the concentration of Cadmium, Chromium, Copper, Nickel, and Oil and Grease, CES will send offsite to a commercial laboratory a sample to determine these concentrations. This will be prior to acceptance. The generator will be responsible for the cost of the analysis.



1. Base Pricing (including freight):
104/64/
2. Contamination Limit (maximum limit before surchages apply):
NA
3. Surcharge Pricing:
NA
4. Special Testing Requirements:
NA PH, TOC, phend, this has 12% solids.
5. Treatment and Handling Protocol:
neutralite Discharge Comes in at a low ptt; treat with ferric and
no sulfunic acid, treat with lime to a plf of 8 (it does not take
5. Treatment and Handling Protocol:  Neutralite Discharge Comes in at a low ptt; treat with ferric and no sulfunic acid, treat with lime to a plf of 8 (it does not take very much lime) then paly and mix-settle a the discharge in waste water
6. Treated Wastewater Discharge Subcategory:
☐ Subcategory A ☐ Subcategory B ☐ Subcategory C



7. Tests for Product Recovered	/Recycled (if applicable):		
	<del>-</del>		
8. Management for Product Recovered/Recycled (if applicable)			



# **CES SAMPLE EVALUATION FORM**

Sample ID # <u>09-093</u>	3 Date: _	9-16-08
CES Sales Representat Requested Turnaround	Date:	- RP
Customer Name: <u>AE5</u> (Concentration Name and Location:	Safety Railway  Sakety Railway  g Analysis 17 cutvud 12	victoria C7 Diachange
Provide a Detailed Description of Ringe water Fr Rai Car	the Process Generating the Was	te, Material, or Product:
- Maricar		
Provide a detailed Composition to Component / Approximate Percen 1,95° Sulfur, CACIO 1-3  Dirt   Wall-1-36/15	tage or PPM:	14 adjust: 1.53 -> 7.5 
Internal Analysis to be Performed Wastewater Treatability Specific Gravity Phenols Distillation Test GC/MS Other Internal Analysis (List)	Percent Solids /2 % Chlor-d-tect (oil phase) Oil and Grease (water phase) Metals Chlor-n-oil (oil phase)	Percent Oil 1.027
Off-site Lab Analysis (List)		
***Note: Must have an approved	P O for any external lab analys	ie***
Internal Analysis to be Performed Ash Specific Gravity Flash Chlor-d-tect Water by Distillation Other Internal Analysis (List) Off-site Lab Analysis (List) ***Note: Must have an approved	on Hydrocarbons or other Org Black Oil Suitability Light End Suitability CES Fuel Suitability Color Water Extractability	anic Chemicals: Viscosity Distillation Test Hydro-scout Chlor-n-oil
***Note: Must have an approved	P.O. for any external lab analys	is***
Internal Analysis to be Performed Percent Potassium Hydroxide Percent Sodium Hydroxide Percent Solids by Centrifuge Other Internal Lab Analysis (List)	Specific Gravity Chlorides Oil by Centrifuge	Sulfides Sodium TOC
Off-site Lab Analysis (List)  ***Note: Must have an approved	P O for any external lah analys	